

20021216.qrp v02_n771.qrl.20021216

Date: Mon, 16 Dec 2002 19:03:14 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2771

QRP-L Digest 2771

Topics covered in this issue include:

- 1) [142215] W6TOY Report
by George Gingell <k3tks@u1.abs.net>
- 2) [142216] No traffic
by "Pat Whelton" <pwhelton@earthlink.net>
- 3) [142217] ARRL 10M Contest
by "Emmerson Bigguns" <n8ie@woh.rr.com>
- 4) [142218] Re: 10 meters lot's of static?
by "Francis Callahan" <colcal@srv.net>
- 5) [142219] HP-141T arcing
by Pete Burbank <plburbank@kih.net>
- 6) [142220] Iowa QRP Paper Clip Straight Key
by "Burnley" <nu0v@arrl.net>
- 7) [142221] ARRL 10 Meter Results/ Interesting band conditions
by Alex <kr1st@amsat.org>
- 8) [142222] ARRL 10 Meter Contest
by "Brian Riley (maillist)" <n1bq_list@wulfdn.org>
- 9) [142223] My post aren't getting through
by "Joe W2KJ" <w2kj@bellsouth.net>
- 10) [142224] Re: Radio Electronics Magazine
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
- 11) [142225] Test don't read
by Lenny Wintfeld <w2bvh@comcast.net>
- 12) [142226] Re: Test don't read
by "Mike Yetsko" <myetsko@insydesw.com>
- 13) [142227] Re: The Best Paddles
by Fghester@aol.com
- 14) [142228] Test message
by "Karl F. Larsen" <k5di@zianet.com>
- 15) [142229] 10 meter results
by "George Osier" <gosier@twcnny.rr.com>
- 16) [142230] Filter parameter
by Lenny Wintfeld <w2bvh@comcast.net>
- 17) [142231] Re: [fpqrp] ARRL 10M Contest
by "brian" <brian@iquest.net>
- 18) [142232] Output Filter Parameter (repeat)
by Lenny Wintfeld <w2bvh@comcast.net>
- 19) [142233] QRP-L list

- by "Karl F. Larsen" <k5di@zianet.com>
- 20) [142234] Another RF Gain control source
by "Karl F. Larsen" <k5di@zianet.com>
- 21) [142235] Re: ARRL 10 Meter Results/ Interesting band conditions
by William R Colbert <w5xe@juno.com>
- 22) [142236] 2nd posting
by IamSF5@aol.com
- 23) [142237] Another State Falls all QRP
by Larry Cahoon <lejek@erols.com>
- 24) [142238] Rock-Mite Question
by KE4VM@cs.com
- 25) [142239] Mailbox full
by KE4VM@cs.com
- 26) [142240] CRYSTALS
by W2BJ <w2bj@minsky.info>
- 27) [142241] Colorado Snowshoe Run
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 28) [142242] Re: 10 meter results
by Alex <kr1st@amsat.org>
- 29) [142243] OHR-500 For Sale
by Radioham <radioham@comcast.net>
- 30) [142244] First contact ever with radio I built!!
by "Jason Hissong" <jhisson1@columbus.rr.com>
- 31) [142245] Fw: Best Paddles
by "vze4jt6u" <vze4jt6u@verizon.net>
- 32) [142246] Fw: Colorado Snowshoe Run
by "Jerry Ford" <benlightnd13@mcchsi.com>
- 33) [142247] Fw: Washington Post Article on Amateur Radio
by "vze4jt6u" <vze4jt6u@verizon.net>
- 34) [142248] Re: Copiable CW Signals
by "Ron KU7Y" <ku7y@tds.net>
- 35) [142249] ARRL 10M Contest
by "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
- 36) [142250] The Best Paddles
by "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
- 37) [142251] For the math experts
by IamSF5@aol.com
- 38) [142252] Re: Radio Electronics Magazine
by JD Delancy <W1JD@drix.net>
- 39) [142253] Re: For the math experts
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 40) [142254] Copyable CW Signals
by "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
- 41) [142255] Output filter parameters
by Lenny Wintfeld <w2bvh@comcast.net>
- 42) [142256] ARRL 10 mtr Contest - QRP -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 43) [142257] More Sidekicks Pictures

by "Jay Bromley" <w5jay@alltel.net>
44) [142258] OT: Done! 5B-DXCC!
by John Harper AE5X <ae5x@qsl.net>
45) [142259] QRP-L reflector
by "Joe W2KJ" <w2kj@bellsouth.net>
46) [142260] Re: CRYSTALS
by "Doug Hendricks" <ki6ds@dospalos.org>
47) [142261] Re: Here is the Reason the Datak Basic VFO was pulled from the
market
by Steven Weber <kd1jv@moose.ncia.net>
48) [142262] Fox: WD7Z Log-F
by Dave Fuller <rfgdma@spinn.net>
49) [142263] Re: Output filter parameters
by "Mike WA8BXN" <hubby2k@hotmail.com>
50) [142264] OT: MCD: Kudos and a suggestion
by Monty N5FC <n5fc@io.com>
51) [142265] Free QEX issues
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
52) [142266] RE: Filter parameter
by Nick Kennedy <nkennedy@tcainternet.com>
53) [142267] RE: For the math experts
by Nick Kennedy <nkennedy@tcainternet.com>
54) [142268] Fw: Washington Post Article on Amateur Radio
by Mike Czuhajewski <wa8mcq@comcast.net>
55) [142269] Re: For the math experts
by "Mike Yetsko" <myetsko@insydesw.com>
56) [142270] MI QRP Net
by kwiike@gdls.com
57) [142271] RE: Another RF Gain control source
by "Dave Richards" <wr3i@earthlink.net>
58) [142272] (no subject)
by NV9Z@aol.com
59) [142273] Experiance with RF gain control
by "Karl F. Larsen" <k5di@zianet.com>
60) [142274] rock mite files?
by Dan Presley <talljazz@teleport.com>
61) [142275] Re: OT: Done! 5B-DXCC!
by "Karl F. Larsen" <k5di@zianet.com>
62) [142276] Re: Test message
by W2AGN <w2agn@w2agn.net>
63) [142277] Re: QRP-L list
by W2AGN <w2agn@w2agn.net>
64) [142278] Fw: N5ZE Web Site Update
by Lew Paceley <lew@paceley.com>
65) [142279] re: Presentation on Stealth Antennas? - ideas
by "Bruce Prior" <n7rr@hotmail.com>
66) [142280] Re: For the math experts
by "George, W5YR" <w5yr@att.net>

- 67) [142281] Re: OT: Done! 5B-DXCC!
by Brian Short <bshort4@cox.net>
- 68) [142282] Re: 10 meters lot's of static?
by <tlogan7@cox.net>
- 69) [142283] Re: Here is the Reason the Datak Basic VFO was pulled from the
market
by jacksonharbor@att.net
- 70) [142284] Re: First contact ever with radio I built!!
by geoff allsup <gallsup@whoi.edu>
- 71) [142285] Re: OT: Done! 5B-DXCC!
by W2AGN <w2agn@w2agn.net>
- 72) [142286] Re: rock mite files?
by "Rod N0RC" <rod@n0rc.us>
- 73) [142287] OT: Experience with HP PCs
by "Bill Jones" <kd7s@psnw.com>
- 74) [142288] Re: OT: MCD: Kudos and a suggestion
by KD5NWA <KD5NWA@cbayona.com>
- 75) [142289] FS: Loaded FT-817
by "Bruce Prior" <n7rr@hotmail.com>
- 76) [142290] Re: Rock-Mite Question
by "Bill, N4QA" <n4qa@hotmail.com>
- 77) [142291] N5ZE Web Site Update
by Lew Pacey <lew@paceley.com>
- 78) [142292] Kendoo Batteries
by "Randall M. Payne" <payner1@strato.net>
- 79) [142293] Re: The Best Paddles
by "Rod N0RC" <rod@n0rc.us>
- 80) [142294] Re: Fw: Washington Post Article on Amateur Radio
by Alex <kr1st@amsat.org>
- 81) [142295] Re: Output Filter Parameter (repeat)
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 82) [142296] Re: Fw: Washington Post Article on Amateur Radio
by "Tim, N9PUZ" <n9puz@arrl.net>
- 83) [142297] Re: OT: Done! 5B-DXCC!
by John Harper AE5X <ae5x@qsl.net>
- 84) [142298] Re: Done! 5B-DXCC!
by John Harper AE5X <ae5x@qsl.net>
- 85) [142299] Re: ARRL 10 Meter Contest
by Paul Womble <pwomble1@tampabay.rr.com>
- 86) [142300] Ringo Ranger Parts Needed
by "Mike Duke, K5XU" <k5xu@jam.rr.com>
- 87) [142301] Re: Fw: Colorado Snowshoe Run
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 88) [142302] Re: Fw: Washington Post Article on Amateur Radio
by Alex <kr1st@amsat.org>
- 89) [142303] Re: Kendoo Batteries
by bob evinger <wd9eka@evinger.com>
- 90) [142304] Rock-Mite on 80 Meters

by Chuck Carpenter <w5usj@9plus.net>

91) [142305] Re: Output filter parameters [SVC Tables]
by Chuck Carpenter <w5usj@9plus.net>

92) [142306] The Best of Paddles
by "Walter Amos" <waltk8cvamosqrp@earthlink.net>

93) [142307] RE: Done! 5B-DXCC!
by "AI2Q Alex" <ai2q@adelphia.net>

94) [142308] Re: The best of paddles
by Harris Keith E CONT CNIN <harris_k@crane.navy.mil>

95) [142309] January QST
by Vince Santis <vsantis@earthlink.net>

96) [142310] test message only
by "Fuller, David J" <David.Fuller@qwest.com>

97) [142311] Yet Another Doublet Question!
by Mark Schoonover <schoon@amgt.com>

98) [142312] false FT100 subscriptions through RAC.CA?
by Alex <kr1st@amsat.org>

99) [142313] Re: N5ZE Web Site Update
by "J. Bennett" <jwbennett@sprintmail.com>

100) [142314] Re: false FT100 subscriptions through RAC.CA?
by MIKE SOUHRADA <wb9iog@revealed.net>

101) [142315] Iowa QRP Paper Clip Straight Key -- WEB SITE
by "Jerry Hall, =?ISO-8859-1?Q?W=D8PWE"?= <lugehall@hotmail.com>

102) [142316] Re: Done! 5B-DXCC!
by Brian Short <bshort4@cox.net>

103) [142317] Re: false FT100 subscriptions through RAC.CA?
by Alex <kr1st@amsat.org>

104) [142318] RE: false FT100 subscriptions through RAC.CA?
by Karl Kanalz <kkanalz@gcecispc.com>

105) [142319] Re: false FT100 subscriptions through RAC.CA?
by "Mike Yetsko" <myetsko@insydesw.com>

106) [142320] Re: false FT100 subscriptions through RAC.CA?
by "Mike Yetsko" <myetsko@insydesw.com>

107) [142321] Filter Parameter (follow-up)
by Lenny Wintfeld <w2bvh@comcast.net>

108) [142322] Re: Yet Another Doublet Question!
by Chris Cartwright <ccart@phideaux.com>

109) [142323] Re: false FT100 subscriptions through RAC.CA?
by W2AGN <w2agn@w2agn.net>

110) [142324] RE: Done! 5B-DXCC!
by Bruce Ratray <ratray@gpfn.sk.ca>

111) [142325] Re: false FT100 subscriptions through RAC.CA?
by Bruce Ratray <ratray@gpfn.sk.ca>

112) [142326] Model airplane servos for controlling remote antenna tuner?
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>

113) [142327] RE: Filter Parameter (follow-up)
by Nick Kennedy <nkennedy@tcainternet.com>

114) [142328] Re: The Best Paddles

- by Paul Gordon <n6ll@arrl.net>
- 115) [142329] Re: Model airplane servos for controlling remote antenna tuner?
by Brian Short <bshort4@cox.net>
- 116) [142330] Re: Filter Parameter (follow-up)
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 117) [142331] [No Subject]
by <vintage2@earthlink.net>
- 118) [142332] Re: Iowa QRP Paper Clip Straight Key -- WEB SITE
by Steven Weber <kd1jv@moose.ncia.net>
- 119) [142333] Kendoo Batteries
by "Randall M. Payne" <payner1@strato.net>
- 120) [142334] Alaska QRP Membership Updated a/o 12/16/02
by Jim Larsen - AL7FS <jimlarsen2002@alaska.net>
- 121) [142335] Re: OT: Done! 5B-DXCC!
by Larry Cahoon <lejek@erols.com>
- 122) [142336] RE: Washington Post Article on Amateur Radio
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 123) [142337] RE: For the math experts
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 124) [142338] OT: DX Packet
by "Royce Simmons" <w2rbn@prodigy.net>
- 125) [142339] FS: MFJ 1275M (snigger)
by "William Phinizy" <k6whp@verizon.net>
- 126) [142340] RE: Washington Post Article on Amateur Radio
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 127) [142341] Re: ARRL 10 Meter Contest
by "Brian Riley (maillist)" <n1bq_list@wulfdn.org>
- 128) [142342] Check out the syetem
by "Ron Polityka" <wb3aal@fast.net>
- 129) [142343] Re: ARRL 10 mtr Contest - QRP -
by "Brian Riley (maillist)" <n1bq_list@wulfdn.org>
- 130) [142344] Re: Rock-Mite on 80 Meters
by "Bill, N4QA" <n4qa@hotmail.com>

Date: Sun, 15 Dec 2002 19:19:51 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [142215] W6TOY Report
Message-ID: <20021215190653.C40551-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For those who have asked about Uncle Brucie, W6TOY...

He called me from the hospital bed tonight. He is improving, but still very weak. He has been in the hospital about two months now, with Kidney

Failure. He advised that he will likely be moving to a rehab facility next week some time. I will try to visit him then. I sent him a Christmas/Get Well Card today from all of us. I also mentioned that several of the qrp-l group have inquired about his welfare. I will try to get together with Mike Czuhajewski, WA8MCQ and we will visit with Bruce after he gets settled in at the new place.

I may have mentioned earlier, Mike C. is recuperating from Appendix Surgery, and doing fine. He is home now.

Bruce is currently at Montgomery General Hospital, in Olney, Maryland.

I remind you that he is still very weak, which is why we did not talk long. I don't think he is ready for visitors yet.

If you wish to send a card, I am sure that it would be appreciated.

Either the Hospital or the home address. Bruce Muscolino, 2813 Village Lane, Silver Spring, MD 20904.

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations Accepted.

RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.

Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Sat, 14 Dec 2002 20:49:20 -0600
From: "Pat Whelton" <pwhelton@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142216] No traffic
Message-ID: <009801c2a3e4\$91a9f1e0\$9045ce18@Earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is it just my ISP or is there no one on the Net tonight?

Date: Sun, 15 Dec 2002 19:36:12 -0500
From: "Emmerson Bigguns" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>, "Pigs" <fpqrp-1@mpna.com>
Subject: [142217] ARRL 10M Contest
Message-ID: <MMEDLKDLONJOAIGICDJAEEPIDKAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Call: N8IE
Operator(s): N8IE
Station: N8IE

Class: SO Mixed QRP
QTH: OH
Operating Time (hrs):

Summary:

Band	QSOs	Mults
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CW:	245	103
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SSB:	310	104
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Total: 555 207 Total Score = 331,200

Missed DXCC by 3!

Can't believe the band this weekend, talk about an early Christmas present,
tnx Santa! :-)

72, oo

Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.427 / Virus Database: 240 - Release Date: 12/6/2002

Date: Sun, 15 Dec 2002 17:37:32 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <jessmx5@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142218] Re: 10 meters lot's of static?
Message-ID: <000501c2a49b\$54282b40\$e4ca1341@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

10 is great here today. I worked The New England area then Aruba and the following station was in Japan. With a FT 817 at 5 watts and a 130 ft end fed wire at 20 feet above the ground can believe what this 817 can do 72 Cal KF7ET misplaced Vermonter in Idaho

----- Original Message -----

From: "Jess Gypin" <jessmx5@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 15, 2002 9:49 AM
Subject: 10 meters lot's of static?

> Is there a lot of atmospheric noise today?
>
> Jess
>

Date: Sat, 14 Dec 2002 19:27:58 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-1@lehigh.edu
Cc: <bcotter@pop.uky.edu>
Subject: [142219] HP-141T arcing
Message-ID: <5.0.2.1.0.20021214191647.00a221e0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

This is a shot in the dark but this list often surprises me. A local ham and myself are trying to crank up a couple of old HP-141T Spectrum Analyzers and having arcing in the attached HV cable to the CRT. The cable or ribbon is a sandwich of sheets of clear dielectric with flex pc copper for the conductors. We have checked several CRTs and a google search indicates that this is a common problem, Do any of you old lab rats know of a fix for this?
Tnx es 73
Pete NV4V

Date: Sun, 15 Dec 2002 18:47:45 -0600
From: "Burnley" <nu0v@arrl.net>
To: <qrp-1@lehigh.edu>
Subject: [142220] Iowa QRP Paper Clip Straight Key
Message-ID: <002601c2a49c\$c00fa760\$6401a8c0@mchsi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow what a response! There are a lot of folks who want to see the info for the IA QRP Paper Clip key. Every year we have a group building session at the Sioux City Hamboree where inexperienced builders can put together a simple kit with elmer supervision. Building gurus like Mike Fitzgibbon (NOMF) and Jerry Hall (WOPWE) help the builders with whatever issues or questions they may have. The goal is to introduce the pleasure of 'melting some solder' to those who have no building experience or are just a little nervous about taking the plunge. Last summer the kit selected was the PIXIE 2 kit. We needed a simple key the builders could use to test their kits so the paper clip key seemed to be a good solution. It turned out to be a great little accessory and they really do work.

I just saw Steve's (KD1JV) post and went to his site and saw his handiwork. A very outstanding job! If you have not seen his version, take the time and do it now.

Jerry Hall will have pics and the parts list of the IA QRP version up on his site soon. He'll put out a post when he has things finished.

72/73, John NU0V

Date: Sun, 15 Dec 2002 19:48:51 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142221] ARRL 10 Meter Results/ Interesting band conditions
Message-ID: <3DFD22F3.C8D2B0A3@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Summary:

Band	QSOs	Mults
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CW:		
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SSB:	234	88
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Total:	234	88	Total Score = 41,184
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Had a blast working this contest. First time I worked it and I didn't know I was going to participate until 2 minutes before the start.

Rig: IC-718

Ant: 58 feet of sloping wire in the tree.

Pwr: 5 Watts

I didn't figure out the total operating hours, but couldn't be on all the time, unfortunately.

Most interesting was the band opening on Saturday night. It started in North South direction at around 01:15 UTC (for me), shifted quite rapidly to the West at around 02:00 UTC and lasted until about 03:30 UTC. Perhaps someone on here could enlighten me on what this was.

The band was very noisy on Saturday with what seemed power line noise. I usually have the Noise Reduction DSP turned off, but had it turned on all day Saturday. Sunday AM intermitted noise which disappeared completely and could run without DSP all day.

Very interesting contest.

73,

--Alex KR1ST

<http://www.kr1st.com>

Date: Sun, 15 Dec 2002 19:53:18 -0500
From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>,
"nvqs@yahoogroups.com" <nvqs@yahoogroups.com>,
Subject: [142222] ARRL 10 Meter Contest
Message-ID: <BA228E2E.3EA8%n1bq_list@wulfden.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Its over and I am giving my lips, PTT finger, and vocal cords a rest It would seem a fine time was had by all.

I have seen better Friday night openings for the 10 meter contest, but conditions more than made up for it on Saturday and Sunday.

I went for Single-Op/SSB-Only/QRP using my Alinco DX-77 set down to 5 watts. It ran straight (no tuner) to my Radio Shack 17 foot 10 meter vertical (essentially its an Antron 99)

I ran 433 Q's with 100+ multipliers for 90K+ points. I was quite pleased to exceed my previous best performances in every area ... Number of Q's, domestic multipliers, DX multipliers, and overall points. If I ever put up a 10 meter beam here - look out!

I just keep learning more every time ... It was, as always, a lot of fun for me. I sure do enjoy how happy most hams are to make a Vermont contact, but I think the scarcity goes this year, at least from my NE USA perspective, to Wyoming, Wisconsin, and Michigan. I thought Wyoming had dropped off the map until fairly late Sunday afternoon when I finally heard and worked two of them. I never did work WI or MI though I heard one or two other stations work them but never even heard them!

The finale a short while ago was nice; instead of the usual barely two or three contacts with the strays still left on the air in the last hour, my last two Q's were new multipliers, Wales and Tahiti ... Its nice to shut off the power switch with an ear to ear grin on your puss!

Cheers, 73 de brian, n1bq

P.S. Damn! there sure are a lot of hams in TX and CA on 10 meters!

Date: Sun, 15 Dec 2002 19:00:27 -0500
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-l" <qrp-l@lehigh.edu>, <w2kj@bellsouth.net>
Subject: [142223] My post aren't getting through
Message-ID: <003f01c2a496\$2499bce0\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I sent two earlier TEST post to the QRP-L and both have not been returned yet I am getting traffic on the QRP-L from other posters.

Let's see if this "non-TEST" gets through.

73, Joe W2KJ

Date: Sun, 15 Dec 2002 20:11:28 -0500
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, fpqrp-l@fpqrp.com, brian@iquest.net
Subject: [142224] Re: Radio Electronics Magazine
Message-ID: <3DFCE1F0.32318.12B6AB@localhost>
MIME-Version: 1.0
Content-type: text/html; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

```
<?xml version="1.0" ?>
<html>
<head>
<title></title>
</head>
<body>
<div align="left"><font face="Arial"><span style="font-size:10pt">Hey Brian</span></font></div>
<div align="left"><br/>
</div>
<div align="left"><font face="Arial"><span style="font-size:10pt">Radio-
```

Electronics was subsumed into
Electronics Illustrated (I think) which was
subsequently combined with Popular Electronics (also published by Gernsback) and
called Poptronics.

Poptronics may
or may not still be

publishing. Today, I received e-mail (attached)
from the proprietor of the interactive on-line page;

Dont know what
to make of all this;

The poptronics web page is still up; I'm sure
that there is a story somewhere.

Henry

LATEST

This is our

newsletter to keep you informed.

POPTRONICS

has gone.

POPTRONICS

is the paper magazine that served more than 70,000 readers for

many years.

It has gone, but I have not. POPTRONICS has also removed my

POPTRONICS

Interactive site. I'm Colin Mitchell, Editor of POPTRONICS

Interactive,

the website you have enjoyed reaching for the past year or

so.

I generated the POPTRONICS Interactive website in its entirety and I will be putting the whole site on a new server. This will take a week as there are hundreds of pages and thousands of .gif files. As far as I am concerned, nothing has changed. Things will be back to normal in a week.

In the meantime here is the Temporary Link where you can get all the latest details.

Colin Mitchell, Editor, TALKING ELECTRONICS Interactive Edition

talking@tpg.com.au

On 15 Dec 2002

at 17:14, brian wrote:</div>
<div align="left">
</div>
<div align="left">> When I was a
kid, a chronological kid, I used to subscribe to a</div>
<div align="left">> magazine called
"Radio Electronics".</div>
<div align="left">> </div>
<div align="left">> I haven't seen
it around in years and figured it was out of print</div>
<div align="left">> now...BUT...does
anyone know if you can get the issues on CD ROM?</div>
<div align="left">> </div>
<div align="left">> </div>
<div align="left">> =====</div>
<div align="left">> KB9BVN/QRP
- New Whiteland IN - EM69WN</div>
<div align="left">> QRP-ARCI
#10223 QRP-L #1540 FIST #5695</div>
<div align="left">>
FISTS CC #764 - Proud Member ARRL</div>
<div align="left">> HEATH HW-9
@ 2W or NORCAL 40A @ 1.3W</div>
<div align="left">>
INTO INFAMOUS AF4PS ATTIC DIPOLE</div>
<div align="left">> SOC
#400 AND FLYING PIGS QRP #-57</div>
<div align="left">> =====</div>
<div align="left">> </div>
<div align="left">> </div>
<div align="left">> </div>


```
<div align="left"><font face="Arial" color="#7f0000"><span style="font-
size:10pt">&gt; </span></font></div>
<div align="left"><br/>
</div>
<div align="left"></div>
</body>
</html>
```

Date: Sun, 15 Dec 2002 20:13:40 -0500
From: Lenny Wintfeld <w2bvh@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142225] Test don't read
Message-ID: <3DFD28C4.6090700@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Test

Date: Sun, 15 Dec 2002 20:21:23 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w2bvh@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142226] Re: Test don't read
Message-ID: <003601c2a4a1\$76e982e0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Subject: Test don't read

> Test

How about...

Read this

Don't test!!

Date: Sun, 15 Dec 2002 09:25:05 EST
From: Fghester@aol.com
To: pkbarnett@mail.arczip.com, qrp-l@lehigh.edu
Subject: [142227] Re: The Best Paddles
Message-ID: <1c8.32c4237.2b2deac1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Pete... For backpacking I'd recommend the Palm miniature paddles by Palm Radio / Germany. They are the best and slide in on themselves for protection. They would be fine for trailer too but if you want something bigger, my personal preference, after 25 years and trying them all, is the Nye Viking SSK 001 Super Squeeze key. Wonderful paddles. Of course, there are lots of others too but these are my all time favorites..Enjoy whatever you choose CW FOREVER!!! / Woody / WD9F

Date: Sun, 15 Dec 2002 18:26:15 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [142228] Test message
Message-ID: <Pine.LNX.4.44.0212151824490.2637-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This message was sent 1:23 UTC on Dec 16, 2002.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 15 Dec 2002 20:25:39 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [142229] 10 meter results
Message-ID: <000b01c2a4a2\$0d3db400\$aa634342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!!

230 QSOs
924 points
73 multipliers = 67,452 total points

QRP , CW only , single-op

Highlights

V51AS , JY9NX , K2LE in Vermont and KT1S in NH :)

Band was better on Sunday , very slow start for me on Saturday
41 DX countries total

Rig here a Ten Tec Omni D and antenna a Cushcraft AR-10 Ringo vertical up 25 ft.

73s

George Osier , N2JNZ
President
Northern New York Contest Club

Date: Sun, 15 Dec 2002 20:28:43 -0500
From: Lenny Wintfeld <w2bvh@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142230] Filter parameter
Message-ID: <3DFD2C4B.6000303@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Hi

1. What's a "reasonable design value" to use for the input impedance of the output filter (say a 5 pole lowpass) of a simple (under 5 watt) qrp transmitter?
2. What criteria determine "whats reasonable" ?
3. Is the design impedance value different for a bipolar / fet / tube output stage ?

Thanks in advance for any comments.

73,
Lenny W2BVH

Date: Sun, 15 Dec 2002 20:33:43 -0500
From: "brian" <brian@iquest.net>
To: "Emmerson Bigguns" <n8ie@woh.rr.com>, "QRP-1" <qrp-1@lehigh.edu>,
"Pigs" <fpqrp-1@mpna.com>
Subject: [142231] Re: [fpqrp] ARRL 10M Contest
Message-ID: <003901c2a4a3\$2c3c9eb0\$b26b2bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dan..you rock!!

----- Original Message -----
From: "Emmerson Bigguns" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>; "Pigs" <fpqrp-1@mpna.com>
Sent: Sunday, December 15, 2002 7:36 PM
Subject: [fpqrp] ARRL 10M Contest

> Call: N8IE
> Operator(s): N8IE
> Station: N8IE
>
> Class: SO Mixed QRP
> QTH: OH
> Operating Time (hrs):
>
> Summary:
> Band QSOs Mults
> -----
> CW: 245 103
> SSB: 310 104
> -----
> Total: 555 207 Total Score = 331,200
>
> Missed DXCC by 3!
> Can't believe the band this weekend, talk about an early Christmas
present,

> tnx Santa! :-)
>
> 72, oo
> Dan, N8IE
> FPqrp #-6, QRP-1 #1404, FISTS #4985
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.427 / Virus Database: 240 - Release Date: 12/6/2002
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
fpqrp-1 -
>
>

Date: Sun, 15 Dec 2002 14:30:30 -0500
From: Lenny Wintfeld <w2bvh@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142232] Output Filter Parameter (repeat)
Message-ID: <3DFCD856.3030208@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Please forgive the repeat of this message; the original seems to have been swallowed up by the server (it was posted about 15 hours ago, and hasn't shown up on the list yet).

Hi

1. What's a "reasonable design value" to use for the input impedance of the output filter (say a 5 pole lowpass) of a simple (under 5 watt) qrp transmitter?
2. What criteria determine "whats reasonable" ?
3. Is the design impedance value different for a bipolar / fet / tube output stage ?

Thanks in advance for any comments.

73,
Lenny W2BVH

Date: Sun, 15 Dec 2002 18:45:01 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [142233] QRP-L list
Message-ID: <Pine.LNX.4.44.0212151843240.2665-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Looks like the list is again working fine, but a lot of messages including some of mine are lost. If it stays that way I will find them and send them again.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Sat, 14 Dec 2002 15:23:51 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [142234] Another RF Gain control source
Message-ID: <Pine.LNX.4.44.0212141508070.2131-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have read the 2 papers from Larry Scheff, W4QEJ and will now say they are very good but with some reservations. Larry talks about 2 radios the Kenwood 940 and 440 and wastes a lot of words about how their filters work. I own 2 Kenwood TS-50's and what he says about the other radios can be applied somewhat to this radio however it lacks a RF Gain control. It looks to me as if the addition of an outboard RF Gain control would make the TS-50 receiver a LOT better.

These papers are in the Feb and March 2001 QST. I have both and it's good reading and worth doing. His many pictures show how you can reduce or remove interference by reducing the RF Gain so low all the band noise and the interference are below the filter passband. With the RF Gain and sometimes passband tuning you put the desired signal right into the center of your filter, or, move the interference out of the

passband.

The bottom line is keep your RF Gain as low as possible! Turn up the AF gain until you hear only, or mostly the signal you desire. Your filter(s) are doing the best they can do.

In the next fox hunt I will be using this RF Gain no AGC method and I plan to practise some before then.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 15 Dec 2002 18:44:36 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [142235] Re: ARRL 10 Meter Results/ Interesting band conditions
Message-ID: <20021215.184442.-437969.6.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For once a contest that accomplished what the FCC has not been able to do - eliminate the band of illegal taxi, long-haul trucks, fishing boats and errant cb types. It was really a pleasure to tune from 28.0 thru 28.200 for cw and most of the ssb portion actively persuing contacts. And the 10 AM part of the band was left relatively alone for some good AM operating

73
Ray
So much to absorb, so little sponge!
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M
NARTE-NCT2R QRP-ARCI 5784
El Paso, (FAR WEST) TEXAS
.

Date: Sun, 15 Dec 2002 18:31:16 EST
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [142236] 2nd posting
Message-ID: <7a.334cea78.2b2e6ac4@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
I have a 300hz CW filter for sale.
MADE BY YAESU
The filter fits the following rigs
FT-107
FT-707
FT-901 DM
FT-902 DM
FT -101-ZD
FT-980
FT-77
And the FT-1
Never used and in original box with documentation.
Price is \$40 + \$3.50 for 1st class priority mail
Bob
AF2Q

Date: Sun, 15 Dec 2002 00:34:41 +0000
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu
Subject: [142237] Another State Falls all QRP
Message-ID: <5.1.0.14.0.20021215003025.00bbceb8@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Today it was IN - three counties form W9MSE/M, Jeff, who was just testing out his newly repaired mobile rig by driving down from WI to southern IN to give me all three counties. Average power to work an IN county came in at 1.42 watts. Now only 49 counties in 19 states to go.

73 de Larry.....WD3P in MD
<http://www.wd3p.net/>

Date: Sat, 14 Dec 2002 19:19:24 EST
From: KE4VM@cs.com
To: qrp-l@lehigh.edu
Subject: [142238] Rock-Mite Question

Message-ID: <14.4ab3f4c.2b2d248c@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello Folks,
How is the receiver on the Rock-Mite?
Thanks,
Richard NM4Z

Date: Sun, 15 Dec 2002 21:21:56 EST
From: KE4VM@cs.com
To: qrp-l@lehigh.edu
Subject: [142239] Mailbox full
Message-ID: <172.1353f0d2.2b2e92c4@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I wondered why I wasn't geeting anything from the reflector. That's fixed now.
Richard NM4Z

Date: Sun, 15 Dec 2002 21:21:08 -0500
From: W2BJ <w2bj@minsky.info>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [142240] CRYSTALS
Message-ID: <0967489C-109D-11D7-803F-00306563B3E0@minsky.info>
Mime-Version: 1.0 (Apple Message framework v543)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

I am looking for crystals for 10.116 or 10.118. Do you know where I
can buy them? Thanks.
72/73,
Barry, W2BJ

Date: Mon, 16 Dec 2002 02:31:38 +0000
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [142241] Colorado Snowshoe Run
Message-ID: <F576iuNkWOEDK5kKbNd0001ee5c@hotmail.com>

Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Was it relly last night during the 10 M contest, or is it tonight after the contest? I didn't see a single post here about it yet. If it was last night, anyone want to run an unofficial version tonight? I'll be there the same time slot.

73/72 - Mike WA8BXN

Protect your PC - get McAfee.com VirusScan Online
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Date: Sun, 15 Dec 2002 21:26:23 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [142242] Re: 10 meter results
Message-ID: <3DFD39CF.A529897@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George Osier wrote:

> Highlights
>
> V51AS , JY9NX , K2LE in Vermont and KT1S in NH :)

Very nice! Never heard any New England stations, but did catch XT2TI (Burkina Faso).

73,
--Alex KR1ST

Date: Sun, 15 Dec 2002 21:45:49 -0500
From: Radioham <radioham@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142243] OHR-500 For Sale
Message-ID: <5.1.0.14.0.20021215213556.009f7090@mail.comcast.net>
MIME-version: 1.0

Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

I have an OHR-500, with manual, covering 80, 40, 30, 20 and 15 meters, with built in iambic keyer, for sale. Full information is at <http://www.ohr.com/ohr500.htm>.

This rig works very well and is in excellent physical condition. Roughly the same size as a K-2 (a bit taller). Everything you read about this rig's rx is true - very quiet and excellent sensitivity. About 4 to 5 watts output, fully variable down to milliwatts. This is a classic analog rig with everything you need right on the front panel (except keyer speed, which is on the back). Great for those who don't like punching lots of tiny buttons. In operation, this is quite a bit above the HW-9.

I like this rig very much, but I am looking at the FT-817s which are on sale and now come with the 500hz filter - gives me SSB also.

\$325 shipped in CONUS or trade partial towards a FT-817. Take off \$15 if you live in the DC area and we can work out in person delivery or pickup.

72/73,

Steve, N4EUK
Reston, VA

Date: Sat, 14 Dec 2002 21:38:24 -0500
From: "Jason Hisson" <jhiss1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142244] First contact ever with radio I built!!
Message-ID: <002301c2a3e3\$0aaa45b0\$6e01a8c0@procyon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi guys,

You would think that after lurking around this list for a while that I would have already made a contact with something I built. Well, most of the radios I have had to use that were in kit form was already made or mostly made and I finished it. Well, tonight was the first time using something I built from a kit to a radio. And a humble radio it is! I worked KB1IOQ on my 40M Rock Mite tonight. Heard him call CQ and called him. He came back solid copy. Wow! This thing works FB...

Anyways... thought you guys would appreciate it!

Thanks for everyone on the list... it is mostly educational and well uh.... sometimes entertaining :-)

72/73,
Jason Hissong - N8XE
<http://www.qsl.net/n8xe>
FISTS #6338
QRPARCI #11347
FPQRP #443
QRP-L #2431
ARLHS #661

Homebrew CW Decoder:
Notepad (optional)
Pencil (optional)
Brain (required)

Date: Sun, 15 Dec 2002 22:12:06 -0500
From: "vze4jt6u" <vze4jt6u@verizon.net>
To: <qrp-l@Lehigh.edu>
Subject: [142245] Fw: Best Paddles
Message-ID: <000401c2a4b0\$ea73eb60\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Subject: Best Paddles

> I think the best keyers and paddles for anyone are very much a a
> subjective choice.
> I personally am happy with a Vibroplex Brass Racer for the paddle and
> either
> a TICK
> keyer as packaged by Whiterook, or whatever keyer is included in one of my
> rigs. The
> brass racer is controlled/activated by magnets, and I find it lets me
> send
> a couple of WPM
> faster than any mechanical, e.g. controlled by springs, paddle I've used.

> For portable applications, a number of the folks have made up paddles
> out of printed
> circuit board material. I think you can find such designs on the NorCal
web
> page, or on
> Steve Weber, KD1JV's, web page.
> Also, there are a lot of folks that much prefer a potentiometer
control
> of the keyer
> speed, as opposed to the approach used in the TICK-based keyers, which
> requires push
> of a button and then changing speed with your paddle.
> I'd suggest that you spend some time reading the eHam.net reviews of
> keyers and
> paddles to get an idea of what features and attributes others find
> important. But, whatever
> you end up with, I hope you'll enjoy and stick with CW!
> 72/73
> Cal K4JSI
>
>
>

Date: Mon, 16 Dec 2002 02:51:01 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [142246] Fw: Colorado Snowshoe Run
Message-ID: <049c01c2a4e0\$43ac7380\$6d74da0c@mchsi.com>

Mike; it was suppose to be last night from 02:00 to 04:00. I
kept listening for anyone calling so I could give out some points but
not a peep.
Ole well!!

72 Jerry N0JRN

----- Original Message -----
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 15, 2002 8:31 PM
Subject: Colorado Snowshoe Run

> Was it relly last night during the 10 M contest, or is it tonight

after the
> contest? I didn't see a single post here about it yet. If it was
last night,
> anyone want to run an unofficial version tonight? I'll be there the
same time
> slot.
>
> 73/72 - Mike WA8BXN
>
>
>
> -----
> Protect your PC - get McAfee.com VirusScan Online
> <http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>
>

Date: Sun, 15 Dec 2002 22:13:23 -0500
From: "vze4jt6u" <vze4jt6u@verizon.net>
To: <qrp-1@lehigh.edu>
Subject: [142247] Fw: Washington Post Article on Amateur Radio
Message-ID: <000901c2a4b1\$180ce4a0\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> For those who take The Washington Post, or have access to it, there is an
> article on page B-10
> (Metro Section) of the Saturday, 14 December 2002 edition. Its theme is
> the emergency
> communication potential of the amateur service.
> 72/73
> Cal K4JSI
>

Date: Sat, 14 Dec 2002 17:06:13 -0700
From: "Ron KU7Y" <ku7y@tds.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142248] Re: Copiable CW Signals
Message-ID: <00aa01c2a3cf\$de388900\$cd34abd0@ku7y>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmmmmmm,

Just to play the Devil's advocate for a bit.....

It was said:

> We don't need QRO signals that are 10
> or 20 over S9 using up previous ham bandwidth

Other than on the weekends when there is a major contest I seldom ever hear a crowded band so what's wrong with using a little more bandwidth and giving the other guy a signal that is much easier and pleasant to copy?

Or is there really someone that thinks having a rag chew with a station for an hour who is just above the noise is fun? :-)

OK, back in my hole..... (With a big grin)

73,

Ron, KU7Y
ku7y@qsl.net
Brenda, AZ (or somewhere close!)
<http://www.qsl.net/ku7y>

Date: Sun, 15 Dec 2002 20:38:58 -0700
From: "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
To: <qrp-1@lehigh.edu>
Subject: [142249] ARRL 10M Contest
Message-ID: <008c01c2a4b4\$ad8e06f0\$023d1dac@waynecomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I had some fun with the contest but didn't run up a big score with my new FT817 and Miracle Whip plus some added wire strung up around our ceiling. I had many more log pages and much bigger scores when I was QRO (100 watts) years ago and had a vertical on top of our house. But it was still fun

getting on some this weekend to see how my new QRP rig and antenna would .
The QRO rig hasn't been turned on for several years and is in a storage shed
40 miles away.

Call: KL7FDQ

QTH: Montana (but always Alaskan!)

Class: SO Mixed QRP

Summary: (4 pts per CW QSO; 2 pts per SSB QSO)

Mode QSOpoints Mults

CW: 132 23

SSB: 74 25

Total: 206 48 Total Score = 9,888

DX: Japan, Scotland, French Guiana, Uruguay, Australia, Alaska, Hawaii,
Aruba, Brazil

Bummer! I never could get Cape Verde, but I sure kept trying!

Happy Holidays,

Wayne

<http://www.qsl.net/kl7fdq/>

Date: Sun, 15 Dec 2002 20:39:58 -0700

From: "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>

To: <qrp-l@lehigh.edu>

Subject: [142250] The Best Paddles

Message-ID: <009b01c2a4b4\$d4438ae0\$023d1dac@waynecomputer>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> O.K. so I am starting a religious war! I passed element 1 and 3.
> When I went to Ham Radio Outlet there were a lot of options for
> keys.
>
> Since I am subscribed to the qrp list, low power has a lot of
> appeal.

Rightly so! :-)

> What is a good key, electronic keyer combination for
> someone who backpacks?

If you don't have a built-in keyer on your portable rig, check out the Palm Mini-paddles and Code Cube keyer at URL:
<http://www.mtechnologies.com/palm/>

I just bought a FT817 and wanted portable paddles to go with it. I first tried the portable MFJ paddles, but I was very disappointed in them when they arrived. The spacing between the contacts was wrong, the paddles did not feel good. So I paid the extra money for the Mini-paddles and I'm very glad I did. The Mini-paddles can be ordered with strong magnets which allow the paddles to stick to any ferrous surface. I just stick mine on the top of my FT817. It's not too uncomfortable for me ergonomically, altho it might be better for me to have the paddles at table top level. But having them on top of the rig gives me a firm portable setup. There are also other ways to attach the Mini-paddles to a rig, such as to the side, and I've seen this illustrated on some website.

I do recommend that you try out different paddles. It's important that paddles feel good to you.

> We also trailer a lot where weight and
> space is not a problem. Is there a happy middle point or are two
> different keys the way to go?

I don't think it is necessary to have two different keys. The Mini-paddles serve me well both at home and when I'm traveling. They are very well built. And they are small and lightweight.

Wayne
KL7FDQ

>
> Pete Barnett
> KD7TAK
> peter@pkbarnett.com
>

Date: Sun, 15 Dec 2002 06:48:46 EST
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [142251] For the math experts
Message-ID: <c5.2db502c8.2b2dc61e@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
If a FM transmitter draws 240 mils on key down with a 9.6 volt battery what
will the power consumption be?(OUT PUT POWER)?
Thanks
Bob
AF2Q

Date: Sun, 15 Dec 2002 17:29:39 -0500
From: JD Delancy <W1JD@drix.net>
To: qrp-l@Lehigh.EDU
Subject: [142252] Re: Radio Electronics Magazine
Message-ID: <3DFD0253.20507@drix.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

I'm not so sure its out of print. A fellow at work gets Electronics Now Magazine
which I think is the new name for Radio Electronics Magazine. I'll check it out
tomorrow..

brian wrote:

> When I was a kid, a chronological kid, I used to subscribe to a
> magazine called "Radio Electronics".
>
> I haven't seen it around in years and figured it was out of print
> now...BUT...does anyone know if you can get the issues on CD ROM?
>
>
> =====
> KB9BVN/QRP - New Whiteland IN - EM69WN
> QRP-ARCI #10223 QRP-L #1540 FIST #5695
> FISTS CC #764 - Proud Member ARRL
> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
> INTO INFAMOUS AF4PS ATTIC DIPOLE
> SOC #400 AND FLYING PIGS QRP #-57
> =====
>
>
>
>

Date: Mon, 16 Dec 2002 04:03:34 +0000
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: IamSF5@aol.com, qrp-1@Lehigh.EDU
Subject: [142253] Re: For the math experts
Message-ID: <F107L5HmCC1DBdMFqxL00001666@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The power going into the transmitter (power consumption) will be about 2.3 watts (easy as $P = IE$ or power = current (I) times voltage (E)). But what is going to come out of the transmitter is quite another story! If its an FM transmitter I suspect there are some multiplier and modulator stages, so taking those and the efficiency of the final into consideration I would not expect more than a quarter watt (guessing at around 10% of the total power consumed).

73/72 - Mike WA8BXN

>
>Hi Gang,
>If a FM transmitter draws 240 mils on key down with a 9.6 volt battery
>what
>will the power consumption be?(OUT PUT POWER)?
>Thanks
>Bob
>AF2Q

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Sun, 15 Dec 2002 21:01:27 -0700
From: "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142254] Copyable CW Signals
Message-ID: <00ba01c2a4b7\$d00a1f90\$023d1dac@waynecomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Hmmmmmm,
>
> Just to play the Devil's advocate for a bit.....

I'll play :-)

>
> It was said:
>
> > We don't need QRO signals that are 10
> > or 20 over S9 using up precious ham bandwidth
>
> Other than on the weekends when there is a major contest I seldom ever
hear a
> crowded band so what's wrong with using a little more bandwidth and giving
the
> other guy a signal that is much easier and pleasant to copy?

Nothing wrong with it at all. I don't think it's an either/or thing. What I
was trying to say was that it's best to follow the FCC call for us not to
use more power than is necessary at any time. I used 100 watts for much of
my ham career and that power obviously gets out better than QRP. Most of the
time a moderate amount of power with a good antenna and decent band condx
allows for plenty of great rag chewing. I also have had great rag chews with
QRP with no problem copying the other operator.

>
> Or is there really someone that thinks having a rag chew with a station
for an
> hour who is just above the noise is fun? :-)

Sorry I wasn't clearer. That's not what I was suggesting when I referred to
signals that are 10 or 20 over S9. I was just trying to say that it's not
necessary to run a lot of power when a moderate amount or a small amount
will do just fine. I'm all for having pleasant QSOs which are easy to hear.
I'm not for banning linear amps, but I do think our hobby would be more fun
and there would be less QRM if more hams would follow the FCC call mentioned
above. CW signals are easily copied at S2, or even less, depending on the
noise level. It's not necessary to have an S9 or higher signal to have a
pleasant rag chew, IMO. Of course, if the static is high, as it can be on 40
meters and lower, one wants to have a couple of S-units above the noise for
easy rag chewing.

72,
Wayne
KL7FDQ
Busby, Montana

>
> OK, back in my hole..... (With a big grin)
>
> 73,
>
> Ron, KU7Y
> ku7y@qsl.net
> Brenda, AZ (or somewhere close!)
> <http://www.qsl.net/ku7y>
>
>
>

Date: Sun, 15 Dec 2002 00:25:06 -0500
From: Lenny Wintfeld <w2bvh@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142255] Output filter parameters
Message-ID: <3DFC1232.6070305@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Hi

1. What's a "reasonable design value" to use for the input impedance of the output filter (say a 5 pole lowpass) of a simple (under 5 watt) qrp transmitter?
2. What criteria determine "whats reasonable" ?
3. Is the design impedance value different for a bipolar / fet / tube output stage ?

Thanks in advance for any comments.

73,
Lenny W2BVH

ps - having a blast on the ARRL 10M contest, even with wet ladder line today. It'll be sunny tomorrow, so I expect even more fun!

Date: Sun, 15 Dec 2002 22:41:52 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [142256] ARRL 10 mtr Contest - QRP -
Message-ID: <Pine.LNX.4.33.0212152223480.13975-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I jumped into the contest running VE5QRP thinking I would probably run a few hours in & out...as it turned out I ran a total of 12 hours over the weekend which is considerably better than I usually do...

I made 342 Contacts, 930 QSO points, 108 Mults for a score of 100440... this is a personal best for me...I ran both SSB & CW...

I was also lucky enough to work Hawaii with my VE5QRP call and Delaware to complete VE5QRP WAS at qrp levels...

I listened and listened for Delaware...I even ran a frequency and called CQ for about 20 minutes before the calls ran out...I even mentioned I was looking for Delaware....but no DE...

...then on Sunday when I worked a station on SSB, I mentioned I was looking for Delaware and he told me he had just worked DE on 28.whatever...so I went down and had a listen...pure QRM!.. hihi...but I narrowed the filter on my K2, tuned carefully and heard this station weak but as the qrm cleared a bit, there was Delaware and I had my "lost" state...

...then, as seems to be typical of these situations, about 2 minutes later I worked another DE...I couldn't help but laugh and laugh as I made the exchange and I'm sure the operator on the other end thought I was mad...it never fails and I'm sure many of you have had a similar experience...

...I used Scott Davis' program (ran flawlessly) and have converted my log to the Cabrillo format and e-mailed it to the ARRL...

...I used my Elecraft K2#2032 for the entire run along with my old HyGain 2 element tribander at 50 feet...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 15 Dec 2002 22:45:22 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-l@Lehigh.EDU>
Cc: "Win Dooley, Jr." <W5JAG@msn.com>,
"Wayne Johnson" <wb5ofn@cox-internet.com>, <TomRW5JM@aol.com>,
Subject: [142257] More Sidekicks Pictures
Message-ID: <000701c2a4bd\$f5572b20\$119b66a6@jay>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi QRP-L,

We have some new pictures of completed Sidekick receivers. Jeff Grudin is the latest. Jeff used his Sidekick receiver kit as part of a transceiver project. Nice going Jeff ! To take a look at Jeff's work and more, go to: <http://www.cox-internet.com/w5jay/kits/sidekick.htm>

If you have pictures of your completed Sidekick and would like others to see your masterpiece please send them to me. I will get Mr. Fishpool to upload them for me.

I know we have been quiet for a few weeks, but we have been busy mailing out kits as they come in and trying to get as many out before Christmas.

I got a couple e-mails today wondering if we had any Sidekicks left and yes we do, but they are going fast! We are nearing the end of the second run. Doug will have the 3rd run ready soon and after that there won't be anymore so don't delay. New to QRP and haven't heard about the Sidekick receiver kit? See them at: <http://www.cox-internet.com/w5jay/kits/kits.htm>

The "Sidekick" is a Manhattan style receiver kit patterned after the world famous Small Wonder Labs SW-40 Plus transceiver. So when these kits are gone you can still get the real McCoy plus a 2 watt transmitter on a super cool circuit board. See them at : <http://www.smallwonderlabs.com/>

Happy Holidays, thank you all, and 73 de jay/w5jay..

Date: Sun, 15 Dec 2002 22:57:04 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>

Subject: [142258] OT: Done! 5B-DXCC!
Message-ID: <000501c2a4b7\$3260f2a0\$6401a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Well, worked anyway...still need a few cards.

It wasn't QRP (100 watts and an inverted V) but I just completed a goal that I thought I'd never be able to finish and I'm a happy camper tonight. Just got Kaliningradsk on 80 meters for my 100th on that band, 2 1/2 years after putting up my first-ever antenna for 80. I already had over 100 confirmed on the other 4 bands but thought it would be impossible on 80 with such a low antenna. All 500 band-countries were worked with either an 80m inverted V or a 40m dipole fed with ladder line that I use on 10m thru 40m.

Lots of non-QRPerS believe that DX is not workable with 5 watts. Here on QRP-L, we know otherwise. A lot of DXers will tell you that consistent DX on the low bands requires a vertical antenna or a very high horizontal antenna. Another myth!

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Sun, 15 Dec 2002 23:49:06 -0500
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [142259] QRP-L reflector
Message-ID: <00ba01c2a4be\$779fd460\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang:

Finally received my test message....quite a delay on the reflector..also received a bunch of messages...guess they were delayed also.

Looks like we're back to normal (whatever that is:-)

73, Joe W2KJ

Date: Sun, 15 Dec 2002 20:33:39 -0800
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [142260] Re: CRYSTALS
Message-ID: <008501c2a4c0\$8e8b5fd0\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

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7.040, 10.116, 14.060 all at \$3 each including postage, or any combination
of 10 for \$25. We also have 3.579 Colorburst crystals at \$.25 each when
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To order send a check or money order for the proper amount to:

Doug Hendricks
862 Frank Ave.
Dos Palos, CA 93620

Please make checks to Doug Hendricks, not NorCal. 72, Doug

Date: Sun, 15 Dec 2002 23:28:34 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [142261] Re: Here is the Reason the Datak Basic VFO was pulled from the
market
Message-ID: <3.0.6.32.20021215232834.007b03b0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>rate of change turns out to be about .4% of the output frequency - or
>28KHz at 7MHz.

.4% jitter on the output frequency (best case from the data sheets, it can
get worse) would be a show stopper for sure! 28 KHz of "FMing" just won't
cut it for CW reception, that's for sure! (and would make for a pretty wide

band CW note on transmitting too)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 15 Dec 2002 22:14:36 -0700
From: Dave Fuller <rfgdma@spinn.net>
To: qrp-1@Lehigh.EDU
Subject: [142262] Fox: WD7Z Log-F
Message-ID: <5.1.1.5.2.20021215221342.02fbf6b8@mail.spinn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

WD7Z Fox 12/13/02

>>>>>>N9NE	2:01	559	WI	TODD	100mW	
>>>>>>W0CH	2:01	559	MO	DAVE	5W	
>>>>>>N0UR	2:02	559	MN	JIM	5W	
>>>>>>N4ROA	2:02	559	VA	DAN	5W	
>>>>>>W0UFO	2:04	559	MN	MERT	5W	
>>>>>>N3BJ	2:05	559	VA	ALAN	5W	
>>>>>>WA9TZE	2:05	599	WI	JIM	5W	
>>>>>>WD9F	2:06	559	IL	WOODY	5W	
>>>>>>KR5C	2:07	599	TX	GEORGE	5W	
>>>>>>N4BP	2:07	559	FL	BOB	5W	
>>>>>>NK6A	2:09	559	CA	DON	5W	
>>>>>>W9XU	2:09	559	WI	LON	5W	
>>>>>>AA50	2:10	559	LA	VERN	5W	
>>>>>>K5ZTY	2:10	559	TX	BILL	5W	
>>>>>>AC7A	2:11	559	AZ	TOM	5W	
>>>>>>K2ZN	2:11	559	NY	AL	5W	
>>>>>>W9XT	2:12	559	WI	GARY	5W	
>>>>>>K5AIC	2:13	559	MS	HERB	5W	
>>>>>>K3ESE	2:14	559	MD	LLOYD	5W	
>>>>>>AG0T	2:15	559	ND	TODD	4W	
>>>>>>KG6CYN	2:15	559	CA	TREV	5W	
>>>>>>K0EVZ	2:16	579	ND	DOC	5W	
>>>>>>KJ6CA	2:17	559	CA	BOB	5W	
>>>>>>K5FSE	2:18	599	GA	JACK	5W	
>>>>>>K8CV	2:18	559	MI	WALT	5W	

>>>>>>K0UU	2:19	559	MN	JEFF	5W		
>>>>>>K3IU			2:20	599	RI	KEN	5W
>>>>>>WE9K	2:21	559	WI	GLENN	5W		
>>>>>>VE6JAZ		2:22	559	AB	RON	5W	
>>>>>>VE4WI	2:23	559	MB	CRAIG	5W		
>>>>>>K3PH	2:24	559	PA	BOB	5W		
>>>>>>KU7Y	2:24	599	AZ	RON	5W		
>>>>>>AB5XQ	2:25	559	AR	BILL	5W		
>>>>>>K9DC	2:25	559	IN	DAVE	5W		
>>>>>>K0PC	2:26	559	MN	PAT	5W		
>>>>>>VE6EX	2:27	559	AB	DAN	5W		
>>>>>>N3AO	2:28	559	PA	CARTER	5W		
>>>>>>K6MMC	2:29	559	CA	MIKE	5W		
>>>>>>VA6RF	2:29	559	AB	EARL	5W		
>>>>>>K8HJ	2:31	559	MI	JOHN	5W		
>>>>>>K4FB	2:32	559	FL	PAUL	5W		
>>>>>>WS4S	2:32	559	TN	CONARD	5W		
>>>>>>N1FN	2:33	559	CO	ET	5W		
>>>>>>W9UQB/7		2:33	559	AZ	MIKE	5W	
>>>>>>VA3JFF		2:34	559	ON	JEFF	5W	
>>>>>>N3XRV	2:35	559	PA	CHRIS	5W		
>>>>>>AB9CA	2:36	559	AL	DAVE	5W		
>>>>>>W8YMO	2:36	559	OH	HARRY	5W		
>>>>>>K2PQ	2:37	589	NJ	FRANK	5W		
>>>>>>K5QK	2:38	559	LA	DON	5W		
>>>>>>NK9G	2:38	559	WI	RICK	5W		
>>>>>>K4GT	2:39	559	GA	JIM	5W		
>>>>>>WA8BXN		2:40	559	OH	MIKE	5W	
>>>>>>AF4LQ	2:41	559	KY	MIKE	5W		
>>>>>>KK5LD	2:41	559	TX	DAN	5W		
>>>>>>N1TP	2:42	559	FL	TOM	5W		
>>>>>>AJ4AY	2:43	579	AL	JAY	5W		
>>>>>>K7TQ	2:43	559	ID	RANDY	5W		
>>>>>>KB7WW	2:44	559	WA	ART	5W		
>>>>>>W3CD	2:44	559	CA	BOB	5W		
>>>>>>N9AW	2:45	559	WI	JERRY	5W		
>>>>>>W2AGN	2:46	579	NJ	JOHN	5W		
>>>>>>K40AH	2:47	559	GA	GAREY	5W		
>>>>>>KC2CK	2:47	559	NY	DON	5W		
>>>>>>VE3FAL		2:48	559	ON	FRED	5W	
>>>>>>N2WW	2:49	559	CO	LARRY	5W		
>>>>>>WA9PWP		2:49	559	WI	PAUL	5W	
>>>>>>K5TR	2:50	559	TX	GEO	5W		
>>>>>>K5DW	2:51	559	TX	DON	5W		
>>>>>>N0TK	2:51	559	CO	DAN	5W		
>>>>>>KI0II			2:54	559	CO	RON	1W
>>>>>>W0RSP	2:54	559	SD	ADE	4W		
>>>>>>N0HRL	2:55	559	MN	KEN	5W		

>>>>>>K4ADI	2:56	559	SC	FRANK	5W		
>>>>>>KC1FB	2:57	559	CT	JIM	500mW		
>>>>>>K0FRP	2:58	579	MO	AL	5W		
>>>>>>KI0RB	2:58	559	CO	VINCE	5W		
>>>>>>WB6BWZ	3:00	559	GA	MATT	5W		
>>>>>>K4BYF	3:01	559	FL	JACK	3W		
>>>>>>K9IUA	3:02	339	IA	KEVIN	5W		
>>>>>>NV4V	3:02	559	KY	PETE	5W		
>>>>>>K2Q0	3:03	559	NY	MARK	5W		
>>>>>>W3DCG	3:03	559	GA	DARIN	5W		
>>>>>>W2RBA	3:05	589	NY	JOE	5W		
>>>>>>N5ZE	3:06	559	TX	LEW	5W		
>>>>>>N07T	3:09	559	WA	GARY	750mW		
>>>>>>N3ZPQ	3:13	559	OH	FRANK	4W		
>>>>>>VA3RJ	3:14	559	ON	DAVE	5W		
>>>>>>WV9N	3:15	559	OH	RANDY	5W		
>>>>>>N0WX	3:16	599	MN	MIKE	5W		
>>>>>>K2TVY	3:17	579	NNJ	FRANK	1W		
>>>>>>AC5JH	3:19	559	OK	TOM	5W		
>>>>>>KC9LC	3:19	559	VA	RANDY	5W		
>>>>>>N0DSP	3:20	559	CO	TOM	5W		
>>>>>>W0PWE	3:20	559	IA	JERRY	5W		
>>>>>>N0TU	3:22	559	CO	STEVE	500mW		
>>>>>>N07X	3:23	559	AZ	FLOYD	5W		
>>>>>>KB9YIG	3:24	579	IN	TONY	500mW		
>>>>>>N5IB		3:28	559	LA	JIM	5W	
>>>>>>N04D	3:33	559	SC	KEN	5W		
>>>>>>K50T	3:36	559	WI	LARRY	3W		
>>>>>>K5SR	3:36	559	TX	DALE	5W		
>>>>>>KR0U	3:37	589	CO	TIM	5W		
>>>>>>AA7EQ	3:39	559	AZ	BOB	5W		
>>>>>>K5PSH	3:40	559	TX	JERRY	5W		
>>>>>>VE5RC	3:41	229	SK	BRUCE	5W		
>>>>>>N9WW	3:45	559	IL	JIM	5W		
>>>>>>KN5TX	3:46	559	TX	GEORGE	5W		
>>>>>>W5USJ	3:48	559	TX	CHUCK	5W		
>>>>>>W4NJK	3:49	559	CA	CHARLES	5W		
>>>>>>WB8WTU	3:51	559	OH	DENNIS	5W		
>>>>>>NK0E	3:52	559	CO	DAVE	5W		
>>>>>>AE0CW	3:55	559	CO	JESS	2W		
>>>>>>N5WL	3:58	559	OK	BILL	5W		
>>>>>>N0RC	3:59	559	CO	ROD	5W		
>>>>>>WD7Z							
>>>>>>W8RU							
>							

Date: Mon, 16 Dec 2002 00:21:27 -0500 (Eastern Standard Time)
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: <w2bvh@comcast.net>, <qrp-1@Lehigh.EDU>
Subject: [142263] Re: Output filter parameters
Message-ID: <3DFD62D7.000004.76187@pentium>
MIME-Version: 1.0
Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

I think you get in the ballpark by taking the voltage on the final amplifier stage divided by the current, courtesy of Mr. Ohm. Solid state devices will be in the 1's or 10's or ohms, while tubes are in the thousands. Thus the pi networks, or link coupling of tube transmitters had quite an impedance transformation to perform, while I think some of the low pass filters we use in qrp gear maybe be 50 ohms on both the input and output side. Note that most tube gear has plate tuning and loading variable capacitors while our current solid state gear is "no tune".

73/72 - Mike WA8BXN

-----Original Message-----

1. What's a "reasonable design value" to use for the input impedance of the output filter (say a 5 pole lowpass) of a simple (under 5 watt) qrp transmitter?

2. What criteria determine "whats reasonable" ?

3. Is the design impedance value different for a bipolar / fet / tube output stage ?

Date: Sun, 15 Dec 2002 18:57:51 -0600
From: Monty N5FC <n5fc@io.com>
To: jfisher2@austin.rr.com, AQR@egroups.com, qrp-1@Lehigh.edu
Subject: [142264] OT: MCD: Kudos and a suggestion
Message-ID: <5.1.0.14.1.20021215181642.02757ec0@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey John!

First of all, I cannot say enough good things about the new version of your electronic CW tutor, the MCD (Morse Code Device V3.3). From both the software and hardware standpoint, you've done a superb job. Hardware-wise, you've managed to squeeze it all into a QRP board 1.5 x 1.5", and that

includes all controls, speaker, battery, and I/O connectors! Fantastic! Software-wise, you've crammed a heck of a lot of functionality into an 8-pin micro, while conserving battery life and keeping virtually every feature the MCD 2 had, while adding a major new feature (sending practice). Wow, what a job! Take a bow, OM!

As for the suggestion, may I request that you NOT underprice this? I know you haven't committed to a price yet, and if you want to make it under \$35, that's fine, but make it 34.95... it's a far better value - by a large margin, and both price and performance-wise - than any other electronic tutor on the market. You deserve to recover some small portion of the sweat and tears that went into making a fine product the ham community needs badly.

I'm guessing your main target market is the new amateur wanting to get HF privileges, and that makes perfect sense. I guess I'm not in that market; I'm a competent CW op, but by no means A-1. Still, I fare pretty well in QSOs at speeds in excess of 30 wpm. Nonetheless, I am finding two of the MCD's modes extremely useful for someone like myself. You see, I can only copy by pencil up to about 35 wpm. So, in building my ability to copy QRQ (high speeds) in my head, I'm using the MCD's random-word mode. Listening in my spare time, between other tasks, with the MCD in my shirt pocket, I think I'm making some significant progress, which I can't get readily on-the-air. Also, I've always had a somewhat sloppy fist on the straight key, especially at speeds above 15 wpm. But using the MCD's sending-practice mode, in conjunction with my trusty J-38, I intend to be a whole lot better by Straight Key Night Jan 1 (maybe I won't embarrass myself so badly this year).

I hope everyone will take a look at the MCD on your site:
<http://home.austin.rr.com/jfisher2/MCD.htm>

Thanks for a fantastic product and a great service to the ham community,
from an active member of our own Austin QRP Club!

73,
monty N5FC

Monty Northrup, N5FC
Austin, Texas
e-mail: n5fc@io.com
web page (ham radio): <http://www.io.com/~n5fc>
web page (home): <http://www.io.com/~maddog>

Date: Sun, 15 Dec 2002 16:19:11 -5

From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@Lehigh.EDU
Subject: [142265] Free QEX issues
Message-ID: <200212152121.gBFLLlKB009137@rhombus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I am taking care of an estate, and there are 7 issues of QEX that I will ship to the first person to send me the \$3.85 for shipping for a Priority Mail Envelope. The issues are numbers 62 - 69 Apr. - Nov 1987

Please contact me directly via e-mail off the list.

73 - Bill - N8ET
Kanga US
kanga@bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Sun, 15 Dec 2002 21:38:54 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'w2bvh@comcast.net'" <w2bvh@comcast.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142266] RE: Filter parameter
Message-ID: <01C2A482.5E686980.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

If it's a class C amplifier and you are connecting the filter directly to the amplifier, the filter Z and power supply voltage determine the RF power output. The rule of thumb is $Z = (V_{cc}^2)/(2 \cdot P_o)$

So if you figure a 13 volt power supply and you want five watts out, $Z = 13^2/(2 \cdot 5) = 16.9$ ohms. You'd want your filter to have 16.9 ohms input impedance and 50 ohms output impedance. Sometimes it's easier just to make it 50 in , 50 out. Then use a 4:1 transformer between the filter and amplifier. By showing the amplifier 12.5 ohms, you'll get 5.76 watts out with a 12 VDC supply. But the equation is an approximation and you'll typically get less power out than calculated--probably 5 watts or so.

I would imagine the relationship would be the same for FETs.

For tubes ... I dunno, haven't heard of this formula being used, but I

don't know why it wouldn't work. Normally, the tube data book gives you a value to shoot for. With tubes though, you'd normally use some sort of adjustable network.

72--Nick, WA5BDU

On Sunday, December 15, 2002 7:29 PM, Lenny Wintfeld
[SMTP:w2bvvh@comcast.net] wrote:

> Hi
>
> 1. What's a "reasonable design value" to use for the input impedance of
> the output filter (say a 5 pole lowpass) of a simple (under 5 watt) qrp
> transmitter?
>
> 2. What criteria determine "whats reasonable" ?
>
> 3. Is the design impedance value different for a bipolar / fet / tube
> output stage ?

Date: Sun, 15 Dec 2002 22:28:53 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'IamSF5@aol.com'" <IamSF5@aol.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142267] RE: For the math experts
Message-ID: <01C2A489.5A2D7AC0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Power consumption --> 0.24 amps times 9.6 volts = 2.3 watts.

Power output ... need to make some assumptions ... assume 2/3 of that total current goes to the final amplifier, or 160 ma.

Input to final amplifier -> 0.16 amps times 9.6 volts = 1.5 watts.

Assume 60% efficiency, power output = 1.5 * 0.6 = 0.9 watt.

72--Nick, WA5BDU

On Sunday, December 15, 2002 5:49 AM, IamSF5@aol.com [SMTP:IamSF5@aol.com] wrote:

> Hi Gang,
> If a FM transmitter draws 240 mils on key down with a 9.6 volt battery what
> will the power consumption be?(OUT PUT POWER)?

> Thanks
> Bob
> AF2Q
>

Date: Mon, 16 Dec 2002 05:43:10 -0500
From: Mike Czuhajewski <wa8mcq@comcast.net>
To: qrp-l@Lehigh.EDU
Cc: Mike Czuhajewski <wa8mcq@comcast.net>
Subject: [142268] Fw: Washington Post Article on Amateur Radio
Message-ID: <008d01c2a4ef\$ed981020\$6401a8c0@gambrl01.md.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Here's the link for the story in the Washington Post that K4JSI mentioned.
Note that the Washington Post archives system only gives full, free copies
of articles up to 14 days, and after that there is a charge to get them. In
other words, in a bit under two weeks this link turns into a pumpkin :-)

This article has no QRP content, although it's always good to see a plug for
ham radio in the papers.

Note--this is the correct URL, although it contains the date Dec 13 and the
article appeared in the print version of Dec 14.

To view the entire article, go to
<http://www.washingtonpost.com/wp-dyn/articles/A52969-2002Dec13.html>

Date: Mon, 16 Dec 2002 06:25:48 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <IamSF5@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142269] Re: For the math experts
Message-ID: <006401c2a4f5\$e7174580\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> If a FM transmitter draws 240 mils on key down with a 9.6 volt battery
what

> will the power consumption be?(OUT PUT POWER)?
> Thanks
> Bob
> AF2Q

Well, $P = I * V$ or about 2.3w

But, what are your fixed requirements?

What is you final output stage efficiency?

What is the waste in any internal regulators?

You're asking an impossible question. Sort of like my truck holds 15,000 pounds. How far can I go on a tank of gas?

If you want to be even close, break the feed to the final transistor and measure current and voltage there. Then subtract what is lost in heat or make an assumption on the efficiency.

Mike

Date: Mon, 16 Dec 2002 07:00:27 -0500
From: kwike@gdls.com
To: qrp-1@Lehigh.EDU
Subject: [142270] MI QRP Net
Message-ID: <OFFA9BC366.6AE3C692-0N85256C91.0041BC2E@gdls.com>
MIME-Version: 1.0
Content-transfer-encoding: quoted-printable
Content-type: text/plain; charset=iso-8859-1

The last two weeks we have had great turn outs.=A0 I want to thank everyone for the support.=A0 I really have a ball when I am busy with lots of check ins.
The Michigan QRP Net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz.=A0 All hams are welcome.=A0 Last week we had 11 check ins from six states.

K8CV=A0=A0=A0 599 589 ROYAL OAK=A0=A0=A0=A0=A0=A0 MI

WN9U=A0=A0=A0 449 579 WHITE FISH LAKE WI
WA8BXN=A0 569=A0=A0=A0=A0 CLEVELAND=A0=A0=A0=A0=A0 OH
K8DD=A0=A0=A0 599=A0=A0=A0=A0 LAPEER=A0=A0=A0=A0=A0=A0 MI
WB8ICN=A0 599 599 JACKSON=A0=A0=A0=A0=A0=A0 MI
WK8S=A0=A0=A0 599=A0=A0=A0=A0 WATERFORD=A0=A0=A0=A0=A0 MI
N8KBG=A0=A0 589 599 BRIDGEMAN=A0=A0=A0=A0=A0 MI
N1CUU/3 449 559=A0=A0=A0=A0=A0=A0=A0=A0=A0=A0=A0=A0 PA
K1CL=A0=A0=A0 339 559 CHELMSFORD=A0=A0=A0=A0=A0 MA
N4QA=A0=A0=A0 559=A0=A0=A0=A0 RADFORD=A0=A0=A0=A0=A0=A0 VA
KE8MX=A0=A0 579=A0=A0=A0=A0 HIGHLAND=A0=A0=A0=A0=A0 MI

Ed AB8DF=

Date: Mon, 16 Dec 2002 07:03:21 -0500
From: "Dave Richards" <wr3i@earthlink.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142271] RE: Another RF Gain control source
Message-ID: <FAEEKPCBNNDNKGMPIBKOEBOCKAA.wr3i@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

our surrogate reader speaks

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Karl F. Larsen
Sent: Saturday, December 14, 2002 5:24 PM
To: Low Power Amateur Radio Discussion
Subject: Another RF Gain control source

I have read the 2 papers from Larry Scheff, W4QEJ and will now say they are very good but with some reservations. Larry talks about 2 radios the Kenwood 940 and 440 and wastes a lot of words about how their filters work. I own 2 Kenwood TS-50's and what he says about the other radios can be applied somewhat to this radio however it lacks a RF Gain control. It looks to me as if the addition of an outboard RF Gain control would make the TS-50 receiver a LOT better.

These papers are in the Feb and March 2001 QST. I have both and

it's good reading and worth doing. His many pictures show how you can reduce or remove interference by reducing the RF Gain so low all the band noise and the interference are below the filter passband. With the RF Gain and sometimes passband tuning you put the desired signal right into the center of your filter, or, move the interference out of the passband.

The bottom line is keep your RF Gain as low as possible! Turn up the AF gain until you hear only, or mostly the signal you desire. Your filter(s) are doing the best they can do.

In the next fox hunt I will be using this RF Gain no AGC method and I plan to practise some before then.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Mon, 16 Dec 2002 07:10:27 EST
From: NV9Z@aol.com
To: qrp-l@lehigh.edu
Subject: [142272] (no subject)
Message-ID: <b4.1689f906.2b2f1cb3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

<PRE>UNSUBSCRIBE QRP-L

Date: Mon, 16 Dec 2002 05:56:09 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [142273] Experience with RF gain control
Message-ID: <Pine.LNX.4.44.0212160538010.1288-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I join into a New Mexico group that meets about 4 pm local time on 7.290 MHz. This time of the year there are other QSO's 2 to 3 KHz on either side of us. With the maximum RF gain you hear ambient noise and some bleedover from the other groups. The people on frequency are s9 or much better.

Now I turn on all the attenuation I can get with my Kenwood TS-50 which is not quite enough but a whole lot better than wide open. I don't hear ANY noise. The bleedover is gone and the people I'm listening to pop up and down as they speak. It's a real pleasure listening now.

Listening to the Armed Forces Radio Network is difficult because there is a noise signal just below that when listening on AM is very bad. So I turned on USB and the noise dropped and is no longer a problem. Then I turned down the rf gain control until the noise disappeared. I even listened to music which sounded just fine tuned up this way.

The message is simply to turn off AGC if you can and adjust the receiver gain so that noise and sidebands from unwanted stations are reduced or removed. Makes listening a pleasure.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 15 Dec 2002 00:50:15 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@lehigh.edu
Subject: [142274] rock mite files?
Message-ID: <p05010412ba21f1ba9edf@[216.26.6.176]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

I tried to access N0RC's website, but I can't locate any files, just the 'front page'.When clicking on 'notes', I get 'file can't be found' page. Have these been taken down?

--

Dan Presley-N7CQR-Portland, Or QRP-L #502
n7cqr@arrl.net

Date: Mon, 16 Dec 2002 06:27:15 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: John Harper AE5X <ae5x@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142275] Re: OT: Done! 5B-DXCC!
Message-ID: <Pine.LNX.4.44.0212160618000.1288-1000000@bucket.dog>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi John, I think what you had was what's important. You had a goal you felt was important and you got on the air and chased DX on 80 meters until you got it.

The real important part was you spent a lot of time looking for new DX and sending out QSL cards and keeping a log of your work.

The power and the antenna are of minor interest. I have good antenna's and can run 100 watts but I'm miles away from a 5B-DXCC. I lack the drive and can't stick to a task that long.

Your accomplishment with any power is a big one.

On Sun, 15 Dec 2002, John Harper AE5X wrote:

> Well, worked anyway...still need a few cards.
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 16 Dec 2002 08:12:47 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142276] Re: Test message
Message-ID: <3DFD8AFF.20824.313CB35@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 15 Dec 2002 at 18:26, Karl F. Larsen wrote:

>
> This message was sent 1:23 UTC on Dec 16, 2002.

>
> --

>
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

>
>

Well, maybe he has finally figured out UTC!

+-----+ John L. Sielke
|W||2||A||G||N| http://www.w2agn.net [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Mon, 16 Dec 2002 08:12:00 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142277] Re: QRP-L list
Message-ID: <3DFD8AD0.11918.313124D@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 15 Dec 2002 at 18:45, Karl F. Larsen wrote:

>
> Looks like the list is again working fine, but a lot of messages
> including some of mine are lost. If it stays that way I will find them
> and send them again.
>
> --
>
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -
>
>

N00000!

+-----+ John L. Sielke
|W||2||A||G||N| http://www.w2agn.net [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Mon, 16 Dec 2002 07:11:40 -0600

From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [142278] Fw: N5ZE Web Site Update
Message-ID: <002201c2a504\$aca5e280\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I'm resending this mail as it apparently didn't make it through yesterday. Tnx. *Lew*

> Folks,
> I've added a couple new items to my web site:
> <http://www.paceley.com>
>
> Rock Mite - unchanged
> SWR-Bridge-in-a-Pomona-Box - new
> PAC-12 vertical base - new
> Elecraft K1 knob substitute - new
>
> I have a couple more antenna support projects that I'll try to post
> during the holidays.
>
> Enjoy!
>
> 72/73,
> *Lew*
> N5ZE
>
>
>

Date: Sun, 15 Dec 2002 02:00:54 +0000
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [142279] re: Presentation on Stealth Antennas? - ideas
Message-ID: <BAY1-F207fVNMnfioT500013021@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

For attic antennas, efficiency is a key. One way to improve efficiency is to use a feed-point matching device. Until Jan. 15th SGC has a \$50 factory rebate on its "Stealth Kit." That's actually cheaper than the SG-237 automatic antenna coupler alone. The kit includes the SG-237 and a wire loop antenna and associated hardware. The kit is specified for 80 m through 6 m operation, but with a longer antenna, it can also be used efficiently

for 160 meters. I had a chance to try out the Stealth Kit, and I found that every signal I heard was 1 to 2 S-units louder compared with a 40 m dipole tuned in the shack with an LDG Z-11 tuner. The difference, I think, is the efficiency gained by having the tuning take place at the feedpoint. In an attic installation, the SG-237 would be in the attic, powered by 12 Vdc. It automatically adjusts its tuning whenever you transmit into the tuner with between about 3 and 100 watts. I was in Bellevue, WA yesterday and got to meet Terry Dettmann at the SGC plant. The SGC website is <<http://www.sgcworld.com>>. Now, I wonder if I could fit a rhombic for 10 m in the attic. 8=)

73, Bruce Prior N7RR

Add photos to your messages with MSN 8. Get 2 months FREE*.
<http://join.msn.com/?page=features/featuredemail>

Date: Sun, 15 Dec 2002 22:24:54 -0600
From: "George, W5YR" <w5yr@att.net>
To: <IamSF5@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142280] Re: For the math experts
Message-ID: <[012d01c2a4bb\\$1705f060\\$0201a8c0@fairviewtx.net](mailto:012d01c2a4bb$1705f060$0201a8c0@fairviewtx.net)>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob, since FM is a continuous amplitude carrier signal, the d-c input to the transmitter is just the product of the current and voltage: $9.6 \times 0.24 = 2.304$ watts.

That is the d-c power INPUT. The RF POWER OUTPUT depends upon the frequency, efficiency of the transmitter, etc. A fair guess would be that the output would be around 60% of the input or about 1.4 watts, maybe a little more, maybe a little less.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
K2 #489 IC-765 #2349 IC-756 PRO #2121 IC-756 PRO2 #03235

----- Original Message -----

From: <IamSF5@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, December 15, 2002 5:48 AM

Subject: For the math experts

> Hi Gang,

> If a FM transmitter draws 240 mils on key down with a 9.6 volt battery what

> will the power consumption be?(OUT PUT POWER)?

> Thanks

> Bob

> AF2Q

>

Date: Mon, 16 Dec 2002 06:44:42 +0000

From: Brian Short <bshort4@cox.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [142281] Re: OT: Done! 5B-DXCC!

Message-ID: <20021216064354.YMHG27128.fed1mtao01.cox.net@k7on-2000>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Congrats! As they say in the bathroom, though, the deed is not done until the paperwork is completed.

I can understand your excitement as one of my goals is to work/confirm 100 countries on 80m. So far, it hasn't happened. I have around half confirmed at this point and like you, the other 4 bands are already completed.

Most of those I do have were worked at my home in Tempe where I have tremendous noise, limited space, and a height restriction using an inverted vee (have used both ladder line fed dipole and matched folded dipole) with apex about 35 feet.

It is tough going, though, for a mere mortal (and wimp) like me. The noise is most frustrating. Honestly, with 10m and 15m in such good shape in past years I haven't really devoted all that much effort to the task, but I plan to...

Your point about the conventional wisdom of some is well taken, but I have to qualify your statement a little. You say that working

"consistent DX" does not require verticals nor high dipoles.

"Consistent DX" is a vague phrase. Does it mean every night?
All day and all night?

It can be shown with great detail using antenna modeling software that a "low" dipole is not the most efficient antenna for low angle radiation. By low, I mean significantly less than a 1/2 wave length. Most of the radiation is going close to straight up. Furthermore, path analysis will usually show that a low angle takeoff is optimal on the first hop for most DX.

It is not clear what those DXers mean by "very high." I would assume they mean 1/2 wavelength or more.

Again, modeling software will show that a "horizontal" antenna will work much better for low angle takeoff at 1/2 wavelength than significantly lower.

Also, modeling software will show the lower takeoff angle of a vertical antenna.

Incidentally, your inverted vee is not a "horizontal antenna." The elements are not horizontal and it will have a vertical polarization component. There will be a lower angle vertical component to inverted vees (those I've put into modelling software).

Your anecdotal evidence does confirm that you can do a lot with a little and my hat is off to you for that. Maybe some day I'll reach your level of operating accomplishment.

It may, however, be dangerous to generalize too far about "consistent DX."

BTW, how high is your inverted vee (at apex, at ends) and how is the noise in your area?

Congrats, Brian

At 10:57 PM 12/15/2002 -0500, John Harper AE5X wrote:

>Well, worked anyway...still need a few cards.

>

>It wasn't QRP (100 watts and an inverted V) but I just completed a goal that
>I thought I'd never be able to finish and I'm a happy camper tonight. Just
>got Kaliningradsk on 80 meters for my 100th on that band, 2 1/2 years after
>putting up my first-ever antenna for 80. I already had over 100 confirmed on
>the other 4 bands but thought it would be impossible on 80 with such a low
>antenna. All 500 band-countries were worked with either an 80m inverted V or
>a 40m dipole fed with ladder line that I use on 10m thru 40m.

>
> Lots of non-QRPer believe that DX is not workable with 5 watts. Here on
> QRP-L, we know otherwise. A lot of DXers will tell you that consistent DX on
> the low bands requires a vertical antenna or a very high horizontal antenna.
> Another myth!
>
> John Harper AE5X
> Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>
>
--
See my web page: <http://www.k7on.com/>

Date: Sun, 15 Dec 2002 18:26:25 -0700
From: <tlogan7@cox.net>
To: <colcal@srv.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142282] Re: 10 meters lot's of static?
Message-ID: <01bf01c2a4a2\$2692b040\$1b836344@ph.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In Arizona it was quite quiet. NZ7C
----- Original Message -----
From: "Francis Callahan" <colcal@srv.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 15, 2002 5:37 PM
Subject: Re: 10 meters lot's of static?

> 10 is great here today. I worked The New England area then Aruba and the
> following station was in Japan. With a FT 817 at 5 watts and a 130 ft end
> fed wire at 20 feet above the ground can believe what this 817 can do 72
Cal
> KF7ET misplaced Vermonter in Idaho
> ----- Original Message -----
> From: "Jess Gypin" <jessmx5@earthlink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Sunday, December 15, 2002 9:49 AM
> Subject: 10 meters lot's of static?
>
>
> > Is there a lot of atmospheric noise today?
> >

> > Jess
> >
>

Date: Mon, 16 Dec 2002 14:07:38 +0000
From: jacksonharbor@att.net
To: qrp-1@lehigh.edu
Subject: [142283] Re: Here is the Reason the Datak Basic VFO was pulled from the market
Message-ID: <20021216140739.QKSG20575.mtiwmhc12.worldnet.att.net@mtiwebc17>

>rate of change turns out to be about .4% of the output frequency - or
>28KHz at 7MHz.

Gang -

My experience with the ltc1799 chip wasn't quite that bad, but you can hear the warbling in this recording:

<<http://jacksonharbor1.home.att.net/ltc1799.wav>> 225 k

The chip had the following drift results, graph shows the change in frequency in hertz on the Y axis, the time in minutes from a cold start on the x axis:

<<http://jacksonharbor1.home.att.net/ltc1799b.gif>> 8 k

I guess seeing that the output is varying so quickly, that this graph is really a kind of an averaged frequency output.

Here is that same data (from the automated SSS frequency counter setup) in tabular form:

<<http://jacksonharbor1.home.att.net/ltc1799b.dat>> 1 k

I think the Datak design must have similar results, a neat idea but the chip doesn't quite have the performance we're all looking for.

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press
<http://jacksonharbor.home.att.net/>

Date: Mon, 16 Dec 2002 09:08:50 -0500
From: geoff allsup <gallsup@whoi.edu>
To: jhisson1@columbus.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142284] Re: First contact ever with radio I built!!
Message-ID: <3DFDDE72.6040003@whoi.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Fantastic! :-)) I have GOT to get a RockMite and get in on the fun!!

72,
geoff

Jason Hissong wrote:

> Hi guys,
>
> You would think that after lurking around this list for a while that I would
> have already made a contact with something I built. Well, most of the
> radios I have had to use that were in kit form was already made or mostly
> made and I finished it. Well, tonight was the first time using something I
> built from a kit to a radio. And a humble radio it is! I worked KB1IOQ on
> my 40M Rock Mite tonight. Heard him call CQ and called him. He came back
> solid copy. Wow! This thing works FB...
>
> Anyways... thought you guys would appreciate it!
>
> Thanks for everyone on the list... it is mostly educational and well uh....
> sometimes entertaining :-))
>
> 72/73,
> Jason Hissong - N8XE
> <http://www.qsl.net/n8xe>
> FISTS #6338
> QRPARCI #11347
> FPQRP #443
> QRP-L #2431
> ARLHS #661
>
> Homebrew CW Decoder:
> Notepad (optional)
> Pencil (optional)
> Brain (required)
>
>

--

Geoff Allsup, W10H gallsup@whoi.edu or w1oh@arrl.net
Upper Ocean Processes Group
Woods Hole Oceanographic Institution Woods Hole, MA, USA

Date: Mon, 16 Dec 2002 09:17:05 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142285] Re: OT: Done! 5B-DXCC!
Message-ID: <3DFD9A11.10171.34EAC68@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

>
> At 10:57 PM 12/15/2002 -0500, John Harper AE5X wrote:
> >Well, worked anyway...still need a few cards.
> >
> >It wasn't QRP (100 watts and an inverted V) but I just completed a
goal that
> >I thought I'd never be able to finish and I'm a happy camper tonight.
Just
> >got Kaliningradsk on 80 meters for my 100th on that band, 2 1/2 years
after
> >putting up my first-ever antenna for 80. I already had over 100
confirmed on
> >the other 4 bands but thought it would be impossible on 80 with such a
low
> >antenna.

Congrats! 80M has been hot lately. I have been getting on with my old
Harvey Wells TBS-50C and HQ-129. Worked quite a few Europeans the past 3
nights. I think I am getting anout 25 watts out of the 807.

+---+---+---+---+ John L. Sielke
|W||2||A||G||N| http://www.w2agn.net [UPDATED]
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Mon, 16 Dec 2002 06:26:33 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: <talljazz@teleport.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142286] Re: rock mite files?
Message-ID: <002f01c2a506\$c10321f0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Dan,

What URLs are you having trouble with? I spot checked the site and it is working fine

Happy Holidays
73, Rod N0RC

----- Original Message -----

From: "Dan Presley" <talljazz@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 15, 2002 1:50 AM
Subject: rock mite files?

> I tried to access N0RC's website, but I can't locate any files, just
> the 'front page'. When clicking on 'notes', I get 'file can't be
> found' page. Have these been taken down?
> --
> Dan Presley-N7CQR-Portland, Or QRP-L #502
> n7cqr@arrl.net
>

Date: Mon, 16 Dec 2002 06:50:53 -0800
From: "Bill Jones" <kd7s@psnw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142287] OT: Experience with HP PCs
Message-ID: <000701c2a512\$88f001a0\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Friends,

It's time to upgrade the station computer. I've been leaning toward a Hewlett-Packard Pavilion 523n (AMD Athlon 2200+ processor, 512 mb RAM, 80 GHb hard drive etc.) Have any of you had any first hand experience with this or any other HP desktop PC?

=====

Bill Jones - <><
There is no "X" in Christmas
Sanger, California

=====

Date: Mon, 16 Dec 2002 08:47:17 -0600
From: KD5NWA <KD5NWA@cbayona.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142288] Re: OT: MCD: Kudos and a suggestion
Message-ID: <5.2.0.9.0.20021216084543.00aae008@pop.cbayona.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The following paid political advertising was brought to you by the League of Consumerism

At 06:57 PM 12/15/2002, Monty N5FC wrote:

>Hey John!

>

>First of all, I cannot say enough good things about the new version of
>your electronic CW tutor, the MCD (Morse Code Device V3.3). From both the
>software and hardware standpoint, you've done a superb
>job. Hardware-wise, you've managed to squeeze it all into a QRP board 1.5
>x 1.5", and that includes all controls, speaker, battery, and I/O
>connectors! Fantastic! Software-wise, you've crammed a heck of a lot of
>functionality into an 8-pin micro, while conserving battery life and
>keeping virtually every feature the MCD 2 had, while adding a major new
>feature (sending practice). Wow, what a job! Take a bow, OM!

>

>As for the suggestion, may I request that you NOT underprice this? I know
>you haven't committed to a price yet, and if you want to make it under
>\$35, that's fine, but make it 34.95... it's a far better value - by a
>large margin, and both price and performance-wise - than any other
>electronic tutor on the market. You deserve to recover some small portion
>of the sweat and tears that went into making a fine product the ham
>community needs badly.

>

>I'm guessing your main target market is the new amateur wanting to get HF
>privileges, and that makes perfect sense. I guess I'm not in that market;
>I'm a competent CW op, but by no means A-1. Still, I fare pretty well in
>QSOs at speeds in excess of 30 wpm. Nonetheless, I am finding two of the
>MCD's modes extremely useful for someone like myself. You see, I can only
>copy by pencil up to about 35 wpm. So, in building my ability to copy QRQ
>(high speeds) in my head, I'm using the MCD's random-word mode. Listening
>in my spare time, between other tasks, with the MCD in my shirt pocket, I
>think I'm making some significant progress, which I can't get readily
>on-the-air. Also, I've always had a somewhat sloppy fist on the straight
>key, especially at speeds above 15 wpm. But using the MCD's
>sending-practice mode, in conjunction with my trusty J-38, I intend to be
>a whole lot better by Straight Key Night Jan 1 (maybe I won't embarrass
>myself so badly this year).

>

>I hope everyone will take a look at the MCD on your site:

><http://home.austin.rr.com/jfisher2/MCD.htm>

>

>Thanks for a fantastic product and a great service to the ham community,
>from an active member of our own Austin QRP Club!

>

>73,

>monty N5FC

>

>Monty Northrup, N5FC

>Austin, Texas

>e-mail: n5fc@io.com

>web page (ham radio): <http://www.io.com/~n5fc>

>web page (home): <http://www.io.com/~maddog>

Cecil

KD5NWA

Date: Sun, 15 Dec 2002 05:05:15 +0000

From: "Bruce Prior" <n7rr@hotmail.com>

To: qrp-1@Lehigh.EDU

Subject: [142289] FS: Loaded FT-817

Message-ID: <BAY1-F26qT4S0x1AMbm000130c3@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

For Sale: Yaesu FT-817 QRP HF-VHF-UHF transceiver with Collins CW filter,
TXCO, custom quick-detach shoulder strap, mobile power adapter, 8 @ Maha
NiMH AA cells installed with "green wire" mod to allow recharging within
rig, microphone, complete computer sound-card digital cables, Heil headset

adapter, laminated Kairos Research Vade Mecum quick-reference card set.
\$695 check or money order including insured US shipping. Thanks and 72/73,

Bruce Prior N7RR
853 Alder Street
Blaine, WA 98230-8030
360-332-6046

Protect your PC - get McAfee.com VirusScan Online
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Date: Mon, 16 Dec 2002 05:51:17 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [142290] Re: Rock-Mite Question
Message-ID: <BAY1-F179vwGEAb3Tfe00013d80@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Rock-Mite receiver:

Freq stability is excellent.
Selectivity...it's a little wide...makes it easy to hear stations which are
calling you well off-freq :)
Sensitivity is excellent.
Freq agility? Comes stock with two freqs(each model)...this is
'expandable'...
Appearance? It's the cutest...
Fun index...lazy-eight.
Cost? 25 clams.
Popularity?...Right up there...and growing.
Oh yeah, Dave throws in an on-board transmitter for free :)

73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Sun, 15 Dec 2002 22:16:44 -0600
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: Lew Paceley <lew@paceley.com>
Subject: [142291] N5ZE Web Site Update
Message-ID: <005c01c2a4b9\$f1d26e00\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Folks,
I've added a couple new items to my web site:
<http://www.paceley.com>

Rock Mite - unchanged
SWR-Bridge-in-a-Pomona-Box - new
PAC-12 vertical base - new
Elecraft K1 knob substitute - new

I have a couple more antenna support projects that I'll try to post during the holidays.

Enjoy!

72/73,
Lew
N5ZE

Date: Sat, 14 Dec 2002 23:02:40 -0500
From: "Randall M. Payne" <payner1@strato.net>
To: qrp-1@Lehigh.EDU
Subject: [142292] Kendoo Batteries
Message-ID: <65U01X7JGCBSCQYPKMGRLPOM86RP.3dfbfee0@x4r1i9>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Not totally off topic since it concerns batteries for a 5 watt transceiver!
Nosing
around looking for batteries and accessories for a new-to-me Yaesu FT-50 and
discovered Kendoo Batteries in Miami, FL. They have prices for nimh packs that
seem too good to be true. Anyone have any experience with this company? Like
to know something about them before laying the cash on the table!
Thanks and 73,
Randy K4EZM

Date: Sun, 15 Dec 2002 07:04:48 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: <pkbarnett@mail.arczip.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142293] Re: The Best Paddles
Message-ID: <004201c2a442\$ee4dad20\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Peter,

Some good choices are:

The Paddlette <http://www.paddlette.com/>
The Porta- Paddle <http://www.americanmorse.com/portapaddle.htm>

and offerings from:

ElectronicsUSA <http://electronicsusa.com/home.html>

GL,
Happy Holidays
73, Rod N0RC

----- Original Message -----
From: "Peter Barnett" <pkbarnett@mail.arczip.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 14, 2002 9:58 PM
Subject: The Best Paddles

...

> Since I am subscribed to the qrp list, low power has a lot of
> appeal. What is a good key, electronic keyer combination for
...

Date: Mon, 16 Dec 2002 10:16:20 -0500
From: Alex <kr1st@amsat.org>
To: wa8mcq@comcast.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142294] Re: Fw: Washington Post Article on Amateur Radio
Message-ID: <3DFDEE44.8B7FF115@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Nice article. It's just too bad the ham found it necessary to get his opinion about "dumbing down" the tests in the article. Of course he's entitled to do so. However, introducing controversy usually doesn't make good advertisement, except perhaps when campaigning for an elected position (which even happens in ARRL elections).

I did find it alarming though that the number of ARRL members went down more than 10% over the past 5 years. I knew the numbers had declined somewhat, but didn't know it was going at this high rate.

73,
--Alex KR1ST

Mike Czuhajewski wrote:

>
> Here's the link for the story in the Washington Post that K4JSI mentioned.

Date: Mon, 16 Dec 2002 08:14:09 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>,
 "'w2bvh@comcast.net'" <w2bvh@comcast.net>
Subject: [142295] Re: Output Filter Parameter (repeat)
Message-ID: <7FD24C15A06DD511BF9E00D0B73E995206FBFCFE@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

The output impedance can be calculated by knowing the supply voltage and the desired power:

$$P = V^2/(2 \cdot R)$$

Solving for R,

$$R = V^2/(2 \cdot P).$$

For a 12v, 5w transistor amplifier, $R = 12 \cdot 12 / (2 \cdot 5) = 14.4$ ohms. However, the output transistor usually has 1v volt saturation limit, rather than the ideal 0v, so effectively you only have 11v to work with.

$R = 11 \cdot 11 / (2 \cdot 5) = 12.1$ ohms. This is the same whether using a MOSFET such as an IRF511 or a bipolar such as a 2SC2078.

The ARRL handbook has a list of filter components suitable for a transmitter low pass filter. However, these are 50 ohms in, 50 ohms out. A 4:1 matching transformer is often used to convert the ~12 to 14 ohms seen at 5w to something close to 50 ohms.

For a 5w tube amp, such as my old 6T9 transmitter I built in the 60s, for a 250v plate voltage,

$$R = 250 \cdot 250 / (2 \cdot 5) = 6250 \text{ ohms, a substantial difference.}$$

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Mon, 16 Dec 2002 09:26:32 -0600
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142296] Re: Fw: Washington Post Article on Amateur Radio
Message-ID: <200212161622.KAA30911@zinc.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

On Mon, 16 Dec 2002 10:16:20 -0500, Alex wrote:

>
>I did find it alarming though that the number of ARRL members=
went
>down more than 10% over the past 5 years. I knew the numbers=
had
>declined somewhat, but didn't know it was going at this high=
rate.

>

Is this an good measure of the number of active Hams? In our club=
I think
only about 1/2 the members belong to the ARRL. I also know a=
number of active
Hams in the area who don't belong to the club either.

Personally, I believe there are a lot of good reasons for ARRL=
membership but
clearly there are a lot of Hams who don't belong even though they=
benefit.

Tim, N9PUZ
<http://www.qsl.net/n9puz>

Date: Mon, 16 Dec 2002 10:23:43 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Cc: w2agn@w2agn.net
Subject: [142297] Re: OT: Done! 5B-DXCC!
Message-ID: <000301c2a517\$1ea054d0\$6401a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

W2AGN (w2agn@w2agn.net) wrote:
"Congrats! 80M has been hot lately. I have been getting on with my old
Harvey Wells TBS-50C and HQ-129. Worked quite a few Europeans the past 3
nights. I think I am getting anout 25 watts out of the 807."

Thanks John. Good job with the "valve" equipment! Watcha using for an
antenna?

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Mon, 16 Dec 2002 10:05:55 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [142298] Re: Done! 5B-DXCC!
Message-ID: <000501c2a514\$a1e3e030\$6401a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Brian Short (bshort4@cox.net) said:

"It can be shown with great detail using antenna modeling software that a "low" dipole is not the most efficient antenna for low angle radiation. By low, I mean significantly less than a 1/2 wave length. Most of the radiation is going close to straight up. Furthermore, path analysis will usually show that a low angle takeoff is optimal on the first hop for most DX.

It is not clear what those DXers mean by "very high." I would assume they mean 1/2 wavelength or more.

Again, modeling software will show that a "horizontal" antenna will work much better for low angle takeoff at 1/2 wavelength than significantly lower."

Good morning Brian and thanks for your comments.

My point in commenting on the "conventional wisdom" (regarding antennas for low-band DXing or QRP DXing) is simply that we should not take it for gospel. You'd be surprised at how many times I hear experienced operators say that 100 watts is necessary to work DX and that 5 watt DX is unthinkable and darn-near undo-able. With the recent surge of interest in QRP, monthly QRP columns in several ham magazines and the ARRL's new QRP DXCC award, many folks are now realizing what a lot of us knew all along: that 5 watts will fill the logbook with DX, given an outdoor antenna and decent operating skills. Unfortunately, for many years, I believe that a lot of hams who would otherwise have tried QRP were turned off to it by the "facts" of those nay-sayers.

Which brings me to my point on lowband DX: the same conventional wisdom kept me off 80 for 22 years. From the time I got my Novice in '78 I "knew" that I'd never work DX on 80 or 160 with a low-to-the-ground dipole and the lack of a kilowatt. I put an antenna up anyway, due to the Warbler psk kit that came out back then. If not for that rig, I still would not have had a reason to put up an antenna for 80m due to my misconceptions about that band. Thanks, NJQRP! Anyway, I decided to see what lurked on the CW portion of the

band one winter evening and worked G3WZT and 5C8M. One month later, VQ9BL thru a huge pile-up. Needless to say, I was hooked. So much for 80m being a local band. My antenna for 80 is a sorry looking excuse for a dipole: one leg is horizontal at about 50 feet. The other leg slopes down from there to the roof of my shed, about 6 feet off the ground. I'm not sure which leg is "hot" and which one is at ground potential. One of these days, I'll check it out. In the meantime, I am aware of the radiation pattern of my antenna predicted by modeling software, but the software on the walls of my shack (in the form of QSL cards) tells me that enough of my RF is being radiated to allow me to hear and be heard in 100 countries on 3.5 MHz.

Another piece of "software" - a world map with thumbtacks representing 80m countries worked - tells me that I am deaf and dumb into most of Asia on 80m. I hear other W's working them in the mornings, but I don't hear a peep out of em...can't even tell they're there. But the entire rest of the planet has 100 thumbtacks. I guess I'll need a Beverage to hear Asia and something directional to talk to them. A 2-driven-element wire Yagi pointed NW is on the works. According to ON4UN's book, this antenna achieves a low angle of radiation even if only 1/4 wavelength above ground, about the best I'll be able to manage until these oak trees get a little taller.

As for consistent DX, what I mean is around the calendar year, not every day. I only get on the air about 4 evenings a week and have never been up past 11:30pm or earlier than 6am. To be fair, I am lucky to have a quiet QTH at the top of a hill. A hill, not a mountain.

To repeat: Try it sometime, even if you think it can't be done. Theory is a great thing, but if it gets into an argument with Fact, it's going down. As they might say in XE, "Viva that straight-up-radiating RF!"

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Sun, 15 Dec 2002 20:35:55 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [142299] Re: ARRL 10 Meter Contest
Message-ID: <3DFD2DFB.FE42A555@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I worked 30 stations from WI and 7 from MI and VT.

The states that people usually post about being hard to get were out in force this weekend too:

DE worked 2
MT worked 2
WY worked 3
UT worked 5
ID worked 6

I never heard or heard anyone working MS, LA, AR, or LAB, NWT, YT this weekend.

73
Paul K4FB

"Brian Riley (maillist)" wrote:

> I just keep learning more every time ... It was, as always, a lot of fun for
> me. I sure do enjoy how happy most hams are to make a Vermont contact, but I
> think the scarcity goes this year, at least from my NE USA perspective, to
> Wyoming, Wisconsin, and Michigan. I thought Wyoming had dropped off the map
> until fairly late Sunday afternoon when I finally heard and worked two of
> them. I never did work WI or MI though I heard one or two other stations
> work them but never even heard them!
>

Date: Sun, 15 Dec 2002 22:17:01 -0600
From: "Mike Duke, K5XU" <k5xu@jam.rr.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [142300] Ringo Ranger Parts Needed
Message-ID: <008e01c2a4b9\$fc97b160\$7ad2a418@jam.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If anyone has a junker 2 meter Ringo Ranger, please e-mail me off list.

I need a few parts.

Mike Duke, K5XU
American Council of Blind Radio Amateurs

Date: Mon, 16 Dec 2002 03:52:37 +0000
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: benlightnd13@mchsi.com, qrp-1@Lehigh.EDU
Subject: [142301] Re: Fw: Colorado Snowshoe Run
Message-ID: <F56Fsxf4yp8ARf3s1lN00001461@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks, Jerry! As I recall from last year there were not many stations, so I wanted to be sure to try to add to the effort this year again but scanned the schedule too quickly. I've got a lot of noise here and conditions don't seem too good on 40 this evening so I guess I will have to wait until next year. Maybe having it on Sunday night might increase activity some, I don't recall if it was on the same weekend as the 10 M contest last year or not.
73/72 - Mike WA8BXN

>
>Mike; it was suppose to be last night from 02:00 to 04:00. I kept listening
>for anyone calling so I could give out some points but not a peep. Ole
>well!!
>
>72 Jerry N0JRN

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Mon, 16 Dec 2002 10:59:19 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142302] Re: Fw: Washington Post Article on Amateur Radio
Message-ID: <3DFDF857.C3418EDE@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

"Tim, N9PUZ" wrote:

>
> On Mon, 16 Dec 2002 10:16:20 -0500, Alex wrote:
> >
> >I did find it alarming though that the number of ARRL members went
> >down more than 10% over the past 5 years.
>
> Is this an good measure of the number of active Hams?

I don't think it's a good indication of the number of active hams. The total number of hams (active and inactive) is higher than it ever was, so maybe we can assume that the number of active hams has actually grown.

> Personally, I believe there are a lot of good reasons for ARRL membership but
> clearly there are a lot of Hams who don't belong even though they benefit.

Maybe in the past people only became a member of the ARRL in order to receive QST (cheaper than news stand), and didn't really see the ARRL as a membership organization but more as a publisher. With so much info on hamradio available through the net the need to subscribe to a magazine may decline.

73,
--Alex KR1ST

Date: Mon, 16 Dec 2002 09:59:37 -0600 (CST)
From: bob evinger <wd9eka@evinger.com>
To: "Randall M. Payne" <payner1@strato.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142303] Re: Kendoo Batteries
Message-ID: <Pine.LNX.4.33.0212160955090.20543-100000@aprs>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I purchased 2 high capacity packs and a quick charger from them from my Motorola JT-1000. The guy that I bought the radio off had clued me in to them. Batteries were delivered quickly. The pack is sealed but is labeled as containing sanyo cells. I bought the 2.7A/H 7.5V pack for the JT-1000 and the cost of 2 of the packs plus the charger probably was not much more than what a single pack would have cost from Motorola and the motorola pack would have been only a 1.2a/h.

bob

On Sat, 14 Dec 2002, Randall M. Payne wrote:

> Not totally off topic since it concerns batteries for a 5 watt transceiver!
Nosing
> around looking for batteries and accessories for a new-to-me Yaesu FT-50 and
> discovered Kendoo Batteries in Miami, FL. They have prices for nimh packs that
> seem too good to be true. Anyone have any experience with this company? Like
> to know something about them before laying the cash on the table!
> Thanks and 73,
> Randy K4EZM
>
>
>

--

Bob Evinger WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

Date: Sun, 15 Dec 2002 09:55:15 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-1@lehigh.edu, QRPP-I@yahoogroups.com,
Rock-Mite_Group@yahoogroups.com
Subject: [142304] Rock-Mite on 80 Meters
Message-ID: <3.0.2.32.20021215095515.00831630@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Rock-Miters,

Modifications of an R-M/40 for 80 meters are included below. Reminder that this is an empirical revision of a sample of 1 and your milage may vary (YMMV).

All caps are Mouser series 581-SR151AxxxJ np0, Chokes are Mouser series 434-22-xxx. (xxx = value)

2n2222A power out 650 mW (gets hot quickly -- need heatsink). With a serious heatsink and 5.1 Ohm R18, about 1 Watt. With 2n2219 or 2n3053 power output ranged from 700 mW to 1.2 Watts with 10 Ohm, 5.1 Ohm and 3 Ohm R18s (heat sinks recommended).

D5 - Left out (shift was minimal -- an MVAM109 or equiv may help here)
C10/11 - 220 pF
C12 - 100 pF

L1 - 22 uH choke

L2/3 - 2.2 uH chokes
C15/17 - 560 pF
C16 - 1200 pF

Filter values were selected from the Handbook SVC table using filter #68.
The choke value of 2.2 uH was the closest standard value available.

Crystals use are color burst frequency and obtained from Doug at NorCal.

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Mon, 16 Dec 2002 05:08:43 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: w2bvh@comcast.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142305] Re: Output filter parameters [SVC Tables]
Message-ID: <3.0.2.32.20021216050843.007ccb40@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Lenny,

And for filters with 50 ohms in and out, the SVC filter value tables in the handbook will provide you with component values for a wide range of cutoff frequencies.

At 12:25 AM 12/15/2002 -0500, Lenny Wintfeld wrote:

>Hi

>

>1. What's a "reasonable design value" to use for the input impedance of
>the output filter (say a 5 pole lowpass) of a simple (under 5 watt) qrp
>transmitter?

>

>2. What criteria determine "whats reasonable" ?

>

>3. Is the design impedance value different for a bipolar / fet / tube
>output stage ?

>

>Thanks in advance for any comments.

>
>73,
>Lenny W2BVH
>
>ps - having a blast on the ARRL 10M contest, even with wet ladder line
>today. It'll be sunny tomorrow, so I expect even more fun!
>
>

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Mon, 16 Dec 2002 11:07:14 -0500
From: "Walter Amos" <waltk8cvamosqrp@earthlink.net>
To: "Qrp-L Posts" <qrp-l@lehigh.edu>
Subject: [142306] The Best of Paddles
Message-ID: <001e01c2a51d\$33de3370\$50d479a5@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I put my PALM key on an ALTOIDS metal box and filled the box with nuts and bolts for weight but if you were portable you could leave the nuts and bolts out and just add STONES when you get to your camp sight. Table top operation and fairly sturdy. If it still slips put a rough pan scrubber that is dirt light under it for great adhesion to the table top.

No hole to crawl into

Walt K8CV Royal Oak, MI.

Date: Mon, 16 Dec 2002 10:21:41 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <ae5x@qsl.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [142307] RE: Done! 5B-DXCC!
Message-ID: <000101c2a516\$d69a5fa0\$6401a8c0@alex>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Congratulations John!

Vy 73, AI2Q, Alex .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
John Harper AE5X
Sent: Sunday, December 15, 2002 10:57 PM
To: Low Power Amateur Radio Discussion
Subject: OT: Done! 5B-DXCC!

Well, worked anyway...still need a few cards.

It wasn't QRP (100 watts and an inverted V) but I just completed a goal that I thought I'd never be able to finish and I'm a happy camper tonight. Just got Kaliningradsk on 80 meters for my 100th on that band, 2 1/2 years after putting up my first-ever antenna for 80. I already had over 100 confirmed on the other 4 bands but thought it would be impossible on 80 with such a low antenna. All 500 band-countries were worked with either an 80m inverted V or a 40m dipole fed with ladder line that I use on 10m thru 40m.

Lots of non-QRPerS believe that DX is not workable with 5 watts. Here on QRP-L, we know otherwise. A lot of DXers will tell you that consistent DX on the low bands requires a vertical antenna or a very high horizontal antenna. Another myth!

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Mon, 16 Dec 2002 11:26:52 -0500
From: Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [142308] Re: The best of paddles
Message-ID: <213CBBCE200DD6119CEF00B0D0D0D52E22AF35@cninnmciexch1.crane.navy.mil>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

You could also try those rubber can openers. The kind that let you get a really good grip. They sell them at Wally World, 3 in a pkg for \$1.50. Two are flat, one is cone shaped. Just cut it to fit the bottom of the Altoids tin and stick it on with double back tape. Keeps mine from scooting around on my desk. Just filled the tin with lead anchor bolts. You get enough for probably 3 or 4 tins with the cone shaped one left over.

73 de N9KH

Date: Mon, 16 Dec 2002 11:56:37 -0500
From: Vince Santis <vsantis@earthlink.net>
To: "Tentec (E-mail)" <tentec@contesting.com>
Cc: "QRP List (E-mail)" <qrp-l@lehigh.edu>
Subject: [142309] January QST
Message-ID: <01C2A4FA.42314660.vsanitis@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

HI,
Anyone seen the January QST yet? Seems to be late, maybe caught in Christmas Mail?

Vince Santis,N1VS
Winsted, CT
NEQRP # 598
PRP-L # 2372
FISTS# 8053
CC # 1161
K1 #841

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.423 / Virus Database: 238 - Release Date: 11/25/02

Date: Mon, 16 Dec 2002 10:02:26 -0700
From: "Fuller, David J" <David.Fuller@qwest.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>

Subject: [142310] test message only
Message-ID: <B3589388E2ACD411800400508B95245807F84382@wehntex002.qwest.net>
MIME-Version: 1.0
Content-Type: text/plain

Date: Mon, 16 Dec 2002 09:23:00 -0800
From: Mark Schoonover <schoon@amgt.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [142311] Yet Another Doublet Question!
Message-ID: <BF889CEBEFD2D511B993009027F60ABE251B81@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Just one more, I promise!! Planning on a doublet for fixed use. I have one of those W2DU bead baluns, a 1:1 feedpoith toroid type, and a 4:1 in the tuner... I'm really interested in trying out the bead balun, but all I've ever seen used with doublets is the toroidal balun.... Which one should I use?? I'm looking at building the biggest doublet that can fit in my yard, and it'l looking to be around 100' legs, and about 50' - 70' balanced line depending on if I need to get it to the back of the tuner... Comments most welcome!

72

.mark

 .~.
 / v \
 /(_)\
 ^ ^
The best way to accelerate
a computer running Windows
is at 9.8 m/s^2

Date: Mon, 16 Dec 2002 12:33:44 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142312] false FT100 subscriptions through RAC.CA?
Message-ID: <3DFE0E78.315E714E@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7bit

I received a message from some Yahoo list owner at RAC.CA that I've been signed up for the FT100 list. I don't even own the radio nor did I ever express interest in it. Anyone else got signed up on here? (just wondering if they are harvesting through qrp-l).

73,
--Alex KR1ST

Date: Mon, 16 Dec 2002 10:02:32 -0800
From: "J. Bennett" <jwbennett@sprintmail.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142313] Re: N5ZE Web Site Update
Message-ID: <3DFE1538.952F791F@sprintmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Lew,

Very nice job on the antenna base for the PAC-12.

73
James
KA5DVS

Lew Paceley wrote:

>
> Folks,
> I've added a couple new items to my web site:
> <http://www.paceley.com>
>
> Rock Mite - unchanged
> SWR-Bridge-in-a-Pomona-Box - new
> PAC-12 vertical base - new
> Elecraft K1 knob substitute - new
>
> I have a couple more antenna support projects that I'll try to post
> during the holidays.
>
> Enjoy!
>
> 72/73,
> *Lew*
> N5ZE

Date: Mon, 16 Dec 2002 12:04:23 -0600
From: MIKE SOUHRADA <wb9iog@revealed.net>
To: kr1st@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142314] Re: false FT100 subscriptions through RAC.CA?
Message-ID: <3DFE15A7.3040002@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Alex wrote:
> express interest in it. Anyone else got signed up on here? (just
> wondering if they are harvesting through qrp-l).
Alex KR1ST
Same thing happened to me. But I used mailwasher to bounce the message.
No interest in the FT100 so dumped it. Been having lots of trouble
with spoofing lately.
Mike
Iowa

Date: Mon, 16 Dec 2002 12:05:33 -0600
From: "Jerry Hall, =?ISO-8859-1?Q?W=D8PWE"?= <lugehall@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [142315] Iowa QRP Paper Clip Straight Key -- WEB SITE
Message-ID: <BAY1-F146AefpGtS79A00014311@hotmail.com>
Mime-Version: 1.0
Content-Type: text/html

<html><div style='background-color:'><DIV>Pictures and construction info for the
Iowa Paper Clip Straight Key are now on my web site. You can go directly to:
<A href="http://www.qsl.net/w0pwe/Finished_Projects/Paperclip_Key/
Paper_Clip_Key.html ">http://www.qsl.net/w0pwe/Finished_Projects/Paperclip_Key/
Paper_Clip_Key.html </DIV>
<DIV></DIV>
<DIV> </DIV>
<DIV>Or go to http://www.qsl.net/w0pwe</
A> and follow the link at the top of the page. </DIV>
<DIV> </DIV>

<DIV>72</DIV>

<DIV>Jerry</DIV>

<DIV>W0PWE</DIV>

<DIV> </DIV></div><br clear=all><hr>MSN 8 helps ELIMINATE E-MAIL VIRUSES. Get 2 months FREE*.</html>

Date: Mon, 16 Dec 2002 18:04:28 +0000

From: Brian Short <bshort4@cox.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [142316] Re: Done! 5B-DXCC!

Message-ID: <20021216180342.DJHY27125.fed1mtao04.cox.net@k7on-2000>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>To repeat: Try it sometime, even if you think it can't be done. Theory is a
>great thing, but if it gets into an argument with Fact, it's going down.
>As they might say in XE, "Viva that straight-up-radiating RF!"

Well, I agree with what you say, mostly.

I understand that many of us can't get a dipole up 120 feet.

I understand that providing a good ground system for a vertical
can be a problem, as can getting up a full-size radiator (66').

But, that does not necessarily leave only a low dipole or
inverted vee...

In limited space and with no added ground system we CAN
construct an antenna which in theory and in practice will not
favor straight up as badly.

It is the half sloper! A sloping 66' wire from the top of a tower
fed against the tower. Simple. Try it. I have been pleased
with this type antenna, but have spent far too little time using
it on the air.

Of course, use what you got! But "consistent DX" can mean
a lot of things to a lot of people. There are those who work
80m DXCC "consistently" in a weekend during a contest.

A little thought and analysis can be a good thing (I think).
Use a cloud warmer if you want...

Brian

--

See my web page: <http://www.k7on.com/>

Date: Mon, 16 Dec 2002 13:26:10 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142317] Re: false FT100 subscriptions through RAC.CA?
Message-ID: <3DFE1AC2.DE569FB1@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

>From the reports I received it was a virus. Everyone else seem to have received the message with an attachment. Mine came without one.....maybe the new Information Awareness Office at the Pentagon did take up my suggestion to remove viruses while they snoop around in my email. :) (The NAV log didn't show anything either, so a server probably removed it.)

Thanks to all who responded!

73,
--Alex KR1ST

Alex wrote:

>
> I received a message from some Yahoo list owner at RAC.CA that I've been
> signed up for the FT100 list. I don't even own the radio nor did I ever
> express interest in it. Anyone else got signed up on here? (just
> wondering if they are harvesting through qrp-l).
>
> 73,
> --Alex KR1ST

Date: Mon, 16 Dec 2002 12:08:16 -0600
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'kr1st@amsat.org'" <kr1st@amsat.org>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142318] RE: false FT100 subscriptions through RAC.CA?
Message-ID: <01C2A4FE.B4458AA0@KKKANALZ>

I received one this morning, too, Alex!

I don't own, nor want to own, an FT-100! In fact, when I tried to "read" the .htm message he attached, I got an error message that said "That page cannot be displayed..." (or words to that effect).

So I just sent him a message with "Unsubscribe" in the "Subject:" line. Hopefully, that tactic will work.

I suspect he may be "harvesting" from all over the place, but possibly from the FT-817 reflector(s).

Framistan ("You can call me 'Fram') K - W8TIF
McKinney, Texas

-----Original Message-----

From: Alex [SMTP:kr1st@amsat.org]
Sent: Monday, December 16, 2002 11:34 AM
To: Low Power Amateur Radio Discussion
Subject: false FT100 subscriptions through RAC.CA?

I received a message from some Yahoo list owner at RAC.CA that I've been signed up for the FT100 list. I don't even own the radio nor did I ever express interest in it. Anyone else got signed up on here? (just wondering if they are harvesting through qrp-l).

73,
--Alex KR1ST

Date: Mon, 16 Dec 2002 13:25:25 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kr1st@amsat.org>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142319] Re: false FT100 subscriptions through RAC.CA?
Message-ID: <004001c2a530\$828eb900\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, so this doesn't turn into a hundred message thread....

It's a virus.

Do NOT open it.

What you're seeing is the virus grabbing an old email in the infected persons mailbox and using that as a 'cover sheet' so to speak to get into new peoples systems.

You aren't subscribed. And it didn't come from the person it looks like it's coming from.

Mike

----- Original Message -----

From: "Alex" <kr1st@amsat.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, December 16, 2002 12:33 PM

Subject: false FT100 subscriptions through RAC.CA?

> I received a message from some Yahoo list owner at RAC.CA that I've been
> signed up for the FT100 list. I don't even own the radio nor did I ever
> express interest in it. Anyone else got signed up on here? (just
> wondering if they are harvesting through qrp-1).

>

> 73,

> --Alex KR1ST

>

Date: Mon, 16 Dec 2002 13:33:18 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <kkanalz@gcecisp.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [142320] Re: false FT100 subscriptions through RAC.CA?

Message-ID: <00d801c2a531\$9c0132e0\$0300a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> I received one this morning, too, Alex!

>

> I don't own, nor want to own, an FT-100! In fact, when I tried to
"read"

> the .htm message he attached, I got an error message that said "That

page

> cannot be displayed..." (or words to that effect).

>

If you tried to open it, and you didn't get a virus warning, I'd download a virus checker immediately and begin checking your system....

Mike

Date: Mon, 16 Dec 2002 13:38:19 -0500
From: Lenny Wintfeld <w2bvh@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142321] Filter Parameter (follow-up)
Message-ID: <3DFE1D9B.5010902@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Hi

Thanks to everyone who provided feedback on and off list on the proper input impedance of a QRP transmitter's output stage filter.

Please indulge one follow-up question on this issue: For a tube output stage with a load impedance in the 4k-10k range, (which for a 125 volt power supply, corresponds to ~2 - .75 watts) is it practical to use a toroid core transformer to turn the 4-10k into 50 ohms to feed the output filter? For instance, using the data in the Amidon data book, and the ARRL Handbook formula, I come up with the following:

For a primary impedance of 5k (just as an example) and a secondary impedance of 50 ohms, at 7.040 MHz a FT37-61 core gets 45 turns on the primary and 4 or 5 turns on the secondary. The secondary would then be connected to a 50 ohms in / 50 ohms out 5-pole filter, which in turn would feed the antenna (or transmatch). Anything wrong with this picture? The reason I ask, is tube transmitters seem invariably to use adjustable pi-networks or link coupled tanks, as pointed out by WA8BXN.

BTW, when I get a chance, I'm going to try this out. I'd just like to know in advance if I can expect to be in trouble, when I do.

Again, thanks for your comments!

73,
Lenny W2BVH

Date: Mon, 16 Dec 2002 13:39:09 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Mark Schoonover <schoon@amgt.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142322] Re: Yet Another Doublet Question!
Message-ID: <Pine.LNX.4.33.0212161307190.20968-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 16 Dec 2002, Mark Schoonover wrote:

> I'm really interested in trying out the bead balun, but all I've
> ever seen used with doublets is the toroidal balun.... Which one

None :) Some purely subjective info, I have a 100' dipole (50'/leg), at
25' fed with about 80' of 450 ohm ladder line. This is tied to the
balun in an HFT-9 tuner. It consistently out performs the 450' loop at
45' and the ground mounted 5BTV over 36 radials. Sure there are occasions
when the other two are better, but if I could only have one, it would be
the dipole (doublet) with the ladder line :)

72

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 16 Dec 2002 13:37:59 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142323] Re: false FT100 subscriptions through RAC.CA?
Message-ID: <3DFDD737.4186.43D9A09@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 16 Dec 2002 at 12:33, Alex wrote:

> I received a message from some Yahoo list owner at RAC.CA that I've been
> signed up for the FT100 list. I don't even own the radio nor did I ever
> express interest in it. Anyone else got signed up on here? (just
> wondering if they are harvesting through qrp-l).
>
> 73,
> --Alex KR1ST
>

I got one also. I suspect they are "harvesting" from Yahoogroups itself.

+-----+ John L. Sielke
|W||2||A||G||N| http://www.w2agn.net [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Mon, 16 Dec 2002 12:44:22 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [142324] RE: Done! 5B-DXCC!
Message-ID: <Pine.LNX.4.33.0212161242190.31989-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...congratulations John!....super accomplishment...I have now WAS qrp
after being in the ARRL 10 mtr contest...and I have DXCC qrp now as
well...now for the paperwork...hihi...72 - Bruce (VE5RC+VE5QRP)

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
John Harper AE5X
Sent: Sunday, December 15, 2002 10:57 PM
To: Low Power Amateur Radio Discussion
Subject: OT: Done! 5B-DXCC!

Well, worked anyway...still need a few cards.

It wasn't QRP (100 watts and an inverted V) but I just completed a goal that
I thought I'd never be able to finish and I'm a happy camper tonight. Just
got Kaliningradsk on 80 meters for my 100th on that band, 2 1/2 years after
putting up my first-ever antenna for 80. I already had over 100 confirmed on
the other 4 bands but thought it would be impossible on 80 with such a low

antenna. All 500 band-countries were worked with either an 80m inverted V or a 40m dipole fed with ladder line that I use on 10m thru 40m.

Lots of non-QRPers believe that DX is not workable with 5 watts. Here on QRP-L, we know otherwise. A lot of DXers will tell you that consistent DX on the low bands requires a vertical antenna or a very high horizontal antenna. Another myth!

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Mon, 16 Dec 2002 12:48:37 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Alex <kr1st@amsat.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142325] Re: false FT100 subscriptions through RAC.CA?
Message-ID: <Pine.LNX.4.33.0212161248120.31989-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes Alex, I received that as well....didn't sign up or anything...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Mon, 16 Dec 2002, Alex wrote:

> I received a message from some Yahoo list owner at RAC.CA that I've been
> signed up for the FT100 list. I don't even own the radio nor did I ever
> express interest in it. Anyone else got signed up on here? (just
> wondering if they are harvesting through qrp-l).
>
> 73,
> --Alex KR1ST
>

Date: Mon, 16 Dec 2002 13:55:39 -0500 (EST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142326] Model airplane servos for controlling remote antenna tuner?
Message-ID: <200212161855.gBGItDQ03425@panix2.panix.com>

I'm considering building a limited range remote ATU for tuning my 80M dipole (and perhaps matching it for 160M). I think I'll only need a limited range of motion. Is it practical to use RC model servos for moving the components? IIRC, it's relatively easy to drive those with some sort of pulses from a 555.

Where can I find a useful reference on using these things?

73, doug

Date: Mon, 16 Dec 2002 13:01:55 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'w2bvh@comcast.net'" <w2bvh@comcast.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142327] RE: Filter Parameter (follow-up)
Message-ID: <01C2A503.50624E60.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I was thinking that the FT-37 core is kinda small, but for 3/4 to 2 watts, it might be OK. You might check for saturation and also consider shunt feeding the tube rather than series feeding, to keep the DC out. Overall, it sounds reasonable and I'll be interested in hearing your results.

72--Nick, WA5BDU

On Monday, December 16, 2002 12:38 PM, Lenny Wintfeld
[SMTP:w2bvh@comcast.net] wrote:

> Hi

>

> Thanks to everyone who provided feedback on and off list on the proper
> input impedance of a QRP transmitter's output stage filter.

>

> Please indulge one follow-up question on this issue: For a tube output

> stage with a load impedance in the 4k-10k range, (which for a 125 volt
> power supply, corresponds to ~2 - .75 watts) is it practical to use a
> toroid core transformer to turn the 4-10k into 50 ohms to feed the
> output filter ? For instance, using the data in the Amidon data book,
> and the ARRL Handbook formula, I come up with the following:
>
> For a primary impedance of 5k (just as an example) and a secondary
> impedance of 50 ohms, at 7.040 MHz a FT37-61 core gets 45 turns on the
> primary and 4 or 5 turns on the secondary. The secondary would then be
> connected to a 50 ohms in / 50 ohms out 5-pole filter, which in turn
> would feed the antenna (or transmatch). Anything wrong with this
> picture? The reason I ask, is tube transmitters seem invariably to use
> adjustable pi-networks or link coupled tanks, as pointed out by WA8BXN.
>
> BTW, when I get a chance, I'm going to try this out. I'd just like to
> know in advance if I can expect to be in trouble, when I do.
>
>
> Again, thanks for your comments!
>
> 73,
> Lenny W2BVH

Date: Mon, 16 Dec 2002 12:04:21 -0800
From: Paul Gordon <n6ll@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142328] Re: The Best Paddles
Message-ID: <3DFE31C4.9AD6F3DC@arrl.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Peter Barnett wrote:

> O.K. so I am starting a religious war!

IMHO the best electronic keyer is the Logikey by Idiom Press.
Take a look at www.idiompres.com/keyers.html
It's extremely versatile, yet very easy to program, and fun to learn.
No nested menus, but messages *can* be nested (called from inside other
messages). Neat. And with 4 or 6 buttons, it's easy to send the message
you want, now.
The timing characteristics make sending smooth and easy, but if you
insist on Curtis "A" or Accu-keyer "B", they're there, too.
The speed pot is linear, has adjustable "bandspread", and always works.
Absolute speed and incremental speed changes can be programmed into

messages, in case you like to send one letter of your call slower than the rest ;>)

I've seen the kit version built into a number of homebrew rigs and the QRP +.

Sorry for sounding like a commercial.

72, Paul, N6LL

Date: Mon, 16 Dec 2002 19:49:42 +0000
From: Brian Short <bshort4@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142329] Re: Model airplane servos for controlling remote antenna tuner?
Message-ID: <20021216194853.EZZY27128.fed1mtao01.cox.net@k7on-2000>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have used RC servos in my robotics experiments. They are controlled by a periodic pulse of 1-2ms (1.5ms = center).

References below show the 555 circuits to which you allude, but these days microcontrollers are used to control them (eg PIC, AVR, etc). There are "serial servo controllers" which accept RS-232 serial commands and position a set of servos.

It is important to consider the amount of torque required. Those with higher torque get expensive.

Sounds like a really interesting project. I would be curious to know what you decide to do?

Brian

Best Google results:

http://wolfstone.halloweenhost.com/TechBase/svoint_RCServos.html

<http://www.geocities.com/BourbonStreet/3220/servobasics.html>

Others:

<http://www.epanorama.net/documents/motor/rcservos.html>

<http://www.robotics.com/motors.html>

The High Torque models can get expensive (\$88):

<http://members.aol.com/davthacker/radicalservos.htm>

>I'm considering building a limited range remote ATU for tuning my 80M
>dipole (and perhaps matching it for 160M). I think I'll only need a
>limited range of motion. Is it practical to use RC model servos for
>moving the components? IIRC, it's relatively easy to drive those with
>some sort of pulses from a 555.

>

>Where can I find a useful reference on using these things?

>

>73, doug

--

See my web page: <http://www.k7on.com/>

Date: Mon, 16 Dec 2002 13:35:09 -0700

From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>

To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>

Cc: "'w2bvh@comcast.net'" <w2bvh@comcast.net>

Subject: [142330] Re: Filter Parameter (follow-up)

Message-ID: <7FD24C15A06DD511BF9E00D0B73E995206FBFD07@az33exm05.corp.mot.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

With an output impedance of 5K to 10K for a tube, it would be difficult to use a broadband transformer to convert to 50 ohms. I say this because the inductive reactance of the primary winding needs to be at least 4x that of the impedance that is being converted.

A transformer is easy with the low impedance of a transistor, but much more difficult with the high impedance of a tube.

If the source had a 10K impedance, the winding on the transformer would need to have at least 40K of reactance ($X = 2\pi fL$). On 40m, this would lead to an inductance of 910 uH, which is kind of big. This is something like 40 turns on a FT43-37 ferrite core.

It might work out. However, with such a large inductance, it might have a poorly placed HF resonance, since it would take very little stray C to resonate it to a potentially bad frequency.

I think a better approach would be to use the typical tube Pi network to get the 10K down to 50 ohms (equations are in the Handbook), then use the ARRL handbook 50 ohm filters behind it, perhaps a five section filter (3 Cs, 2 Ls).

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions.

Date: Mon, 16 Dec 2002 12:51:51 -0800
From: <vintage2@earthlink.net>
To: w2bvh@comcast.net
Cc: qrp-1@lehigh.edu
Subject: [142331] [No Subject]
Message-ID: <Springmail.0994.1040071911.0.39854600@webmail.pas.earthlink.net>

Lenny and the Group,

I built a tube transmitter last year and went through this exercise myself. I settled on a pi-net because of its matching & filtering capabilities. There are some caveats, though. A pi-net has large circulating currents. I tried a T50-2 core for the inductor and it became fairly warm after about 10 seconds of key-down. Replacing the toroid with a hunk of miniductor resulted in an extra watt of output, a 20% improvement. A positive aspect is that a pi-net can be designed with a relatively broad matching range, eliminating the need for a tuner. Recent ARRL handbooks have the formulas for designing pi nets.

73,
Bob - W3CD

Lenny Wintfeld wrote:

Hi

Thanks to everyone who provided feedback on and off list on the proper input impedance of a QRP transmitter's output stage filter.

Please indulge one follow-up question on this issue: For a tube output stage with a load impedance in the 4k-10k range, (which for a 125 volt power supply, corresponds to ~2 - .75 watts) is it practical to use a toroid core transformer to turn the 4-10k into 50 ohms to feed the output filter ? For instance, using the data in the Amidon data book, and the ARRL Handbook formula, I come up with the following:

For a primary impedance of 5k (just as an example) and a secondary

impedance of 50 ohms, at 7.040 MHz a FT37-61 core gets 45 turns on the primary and 4 or 5 turns on the secondary. The secondary would then be connected to a 50 ohms in / 50 ohms out 5-pole filter, which in turn would feed the antenna (or transmatch). Anything wrong with this picture? The reason I ask, is tube transmitters seem invariably to use adjustable pi-networks or link coupled tanks, as pointed out by WA8BXN.

BTW, when I get a chance, I'm going to try this out. I'd just like to know in advance if I can expect to be in trouble, when I do.

Again, thanks for your comments!

73,
Lenny W2BVH

Date: Mon, 16 Dec 2002 15:53:05 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [142332] Re: Iowa QRP Paper Clip Straight Key -- WEB SITE
Message-ID: <3.0.6.32.20021216155305.007b5630@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Pretty neat! Even simpler than the one I made. Made several QSO's with my version last night and very pleased with the way it works. This one's a keeper, for sure:-)

Talked to Dave, NF0R, who was, of course, using his St Louis Pocket Vertical, but was kinda weak here with only 1 watt. Also happend to run into Dan, K8JWR, who designed the "No Nonsense Transceiver" some of you were talking about recently. He of course, was using that rig and it sounded pretty good. Oh yea, there was also some QRO guy running a KNWD and 100 watts, but he don't count :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Mon, 16 Dec 2002 16:15:39 -0500
From: "Randall M. Payne" <payner1@strato.net>
To: qrp-1@Lehigh.EDU
Subject: [142333] Kendoo Batteries
Message-ID: <HB0N53FB86GDQTOL2YC7714YRPF01.3dfe427b@x4r1i9>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Oops, should have given a url-- <http://www.kendoo.com>
Example of great prices is a 9.6 V 1000 mah nimh for \$29.00. Same price for 7.2 V 1700 mah nimh. Both are packs for a Yaesu FT50. Can't beat that price. No connection to company, etc.
Randy K4EZM

Date: Mon, 16 Dec 2002 12:15:48 -0900
From: Jim Larsen - AL7FS <jimlarsen2002@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [142334] Alaska QRP Membership Updated a/o 12/16/02
Message-ID: <3DFE4284.8070801@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Thank you for your interest in QRP and Alaska. All requests received as of today have been processed.

The backlog occurred when I changed my email address in September and forgot to update the Forms Site. All the notices were being dumped to a dead address at QSL.NET. This has been fixed so I should be able to process updates and new requests in a more timely manner.

73, Jim

--

Jim Larsen, AL7FS
Anchorage, Alaska
AKQRP#003
<http://www.qsl.net/al7fs/>

Date: Mon, 16 Dec 2002 21:52:45 +0000

From: Larry Cahoon <lejek@erols.com>
To: ae5x@qsl.net,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142335] Re: OT: Done! 5B-DXCC!
Message-ID: <5.1.0.14.0.20021216214806.028a7c40@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Great Job John, congradulations.

I'd say with persistence a dipole is just fine. I did my 5BDXCC mostly with dipoles, none of which was higher than 40-50 ft. I finally got one of the Butternut 40/80 verticals and tuned it for 80 only when I was down to about 20 to go for 80 meters. I've never been sure it mad much of a difference as I was still getting new ones on the dipole even then. Never did put up a beam or a tower. Of course that was QRO at 100 watts. I'm not working at hard at it QRP - still waiting for the bug to bite.

73 de Larry.....WD3P in MD
<http://www.wd3p.net/>

At 10:57 PM 12/15/2002 -0500, John Harper AE5X wrote:

>Well, worked anyway...still need a few cards.

>

>It wasn't QRP (100 watts and an inverted V) but I just completed a goal that
>I thought I'd never be able to finish and I'm a happy camper tonight. Just
>got Kaliningradsk on 80 meters for my 100th on that band, 2 1/2 years after
>putting up my first-ever antenna for 80. I already had over 100 confirmed on
>the other 4 bands but thought it would be impossible on 80 with such a low
>antenna. All 500 band-countries were worked with either an 80m inverted V or
>a 40m dipole fed with ladder line that I use on 10m thru 40m.

>

>Lots of non-QRPer believe that DX is not workable with 5 watts. Here on
>QRP-L, we know otherwise. A lot of DXers will tell you that consistent DX on
>the low bands requires a vertical antenna or a very high horizontal antenna.
>Another myth!

>

>John Harper AE5X

>Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Mon, 16 Dec 2002 16:54:49 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [142336] RE: Washington Post Article on Amateur Radio
Message-ID: <721D3436A7C2B344A301FD4A413C71A96ED0F1@kosh.ARRLHQ.ORG>
Content-Class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

The ARRL membership stats are about right. The peak League membership =
was just after the little Leo 2-meter scare. The numbers dropped after =
the last dues increase, as they always do if ARRL raised dues, and have =
been inching back up as they always do with time.

The unfortunate part is that the writer minterpreted that to mean that =
amateur radio is dwindling, which it is not. The ah0a.org site lists =
more licensed amateurs now than at any time in amateur radio history.

It is equally unfortunate that the "they are giving away licenses now" =
nonsense crept in there. When I was licensed as a Novice in 1963, I had =
to study a 4-page study guide. The exam had no questions about antennas, =
feed lines or propagation. Now, hams are handed a 200-page Now You're =
Talking and told that this is what they need to know to be a beginner in =
ham radio. I found myself teaching a Tech class about a year ago, and =
when I was covering the differences between near-field and far-field =
radiation near an antenna, I wondered if they knew about the "not dumbd =
down" 4 pages I had to study...

When I upgraded to General a year later, I studied -- I mean memorized =
-- the 16-pages for General in the ARRL study guide. That is ALL that I =
studied and I passed the exam. For that, I was given all amateur =
privileges. Today, there are over 1,100 questions in the pool. There are =
more correct answers in the pool than there were sentences in my 1964 =
General study guide. =20

I passed the General the same way hams are passing their exams today -- =
with a combination of learning, memorizing, lucky guessing and hoping a =
few of the tougher topics didn't appear on the exam we were given. For =
me, they did; I guessed wildly on the feed-line impedance question.

73,=20
Ed Hare, W1RFI

> -----Original Message-----
> From: Mike Czuhajewski [mailto:wa8mcq@comcast.net]
> Sent: Monday, December 16, 2002 5:43 AM
> To: Low Power Amateur Radio Discussion
> Subject: Fw: Washington Post Article on Amateur Radio
>=20

>=20
> Here's the link for the story in the Washington Post that=20
> K4JSI mentioned.
> Note that the Washington Post archives system only gives=20
> full, free copies
> of articles up to 14 days, and after that there is a charge=20
> to get them. In
> other words, in a bit under two weeks this link turns into a=20
> pumpkin :-)
>=20
> This article has no QRP content, although it's always good to=20
> see a plug for
> ham radio in the papers.
>=20
> Note--this is the correct URL, although it contains the date=20
> Dec 13 and the
> article appeared in the print version of Dec 14.
>=20
> To view the entire article, go to
> <http://www.washingtonpost.com/wp-dyn/articles/A52969-2002Dec13.html>
>=20
>=20
>=20

Date: Mon, 16 Dec 2002 17:00:23 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142337] RE: For the math experts
Message-ID: <721D3436A7C2B344A301FD4A413C71A96ED0F2@kosh.ARRLHQ.ORG>
Content-Class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> If a FM transmitter draws 240 mils on key down with a 9.6=20
> volt battery what will the power consumption be?(OUT PUT POWER)?

The DC input power to the output device in the transmitter will be:

Pwatts =3D Evolts X Iamperes
Pwatts =3D 9.6V X 0.24 amperes
Pwatts =3D 2.3 watts

No amplifier is 100% efficient, though, so the RF output power will be a =
bit less. Most FM transmitters operate the output device in Class C. =

Solid-state Class C amplifiers typically have around 70% efficiency, so =
the output power would be:

$P_{\text{outputwatts}} = 3D \text{ Pinputwatts} \times \text{efficiency\%} / 100 = 20$
 $P_{\text{outputwatts}} = 3D 2.3 \times 70\% / 100 = 3D 1.61 \text{ watts}$

73,=20

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111

Tel: 860-594-0318

Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

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membership dues, individual contributions and the sale of publications =
and advertising. For more information about ARRL, go to =
<http://www.arrl.org/news/features/inside-your-league.html>. For more =
information about membership, go to <http://www.arrl.org/join.html>. Your =
contribution can also help support ARRL's ongoing efforts to protect =
Amateur spectrum. Go to =
<https://www.arrl.org/forms/development/donations/basic/> to learn more =
about the ways you can support the ARRL programs and activities of most =
importance to you. You can help ARRL protect Amateur Radio for you and =
future generations to enjoy.

> -----Original Message-----

> From: IamSF5@aol.com [mailto:IamSF5@aol.com]

> Sent: Sunday, December 15, 2002 6:49 AM

> To: Low Power Amateur Radio Discussion

> Subject: For the math experts

>=20

>=20

> Hi Gang,

> If a FM transmitter draws 240 mils on key down with a 9.6=20

> volt battery what=20

> will the power consumption be?(OUT PUT POWER)?

> Thanks

> Bob

> AF2Q

>=20

Date: Mon, 16 Dec 2002 17:31:00 -0500

From: "Royce Simmons" <w2rnb@prodigy.net>

To: <qrp-1@Lehigh.EDU>
Subject: [142338] OT: DX Packet
Message-ID: <001901c2a552\$d0455060\$2c4dffd1@roycesim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

I know this is not the place to ask but I know someone can help me. You guys seem to know all sorts of things.

ARRL has quit publishing the Packet Radio book describing how to set up a DX packet reporting station. Anyone have a book for sale or can someone point me to where I can get details on this type of operation?

72,
Royce Simmons
w2rbn@prodigy.net

Date: Mon, 16 Dec 2002 14:57:12 -0800
From: "William Phinzy" <k6whp@verizon.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [142339] FS: MFJ 1275M (snigger)
Message-ID: <005401c2a556\$793c9860\$1962e043@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Yeah, yeah, I know I posted on here a day or so ago asking for help with this beast. O.k., so go ahead and laugh. It doesn't bother me..no, it really doesn't..<g> Anyway, I got it to work, but just not happy with all the cables required to hook this guy up. Let my misfortune be someone else's gain.

Anyone interested in an MFJ-1275M with cables, manual, and CD for \$60 shipped to your door. Otherwise, make an offer. Not too proud to accept trades, either. Not particularly if you have a Diamond SX-200 and you want an MFJ-1275M -- I'll even throw in a little cash.

There! I feel so much better! Thanks for listening.

72,

Bill, k6whp

Date: Mon, 16 Dec 2002 14:57:50 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [142340] RE: Washington Post Article on Amateur Radio
Message-ID: <003b01c2a556\$93321a60\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed, maybe you are the reason that they changed the exam, grin.

(Note, Ed Hare and I are old friends, and he knows that I am just having fun with him. I just could not let this opportunity pass.)

72, Doug

Date: Mon, 16 Dec 2002 18:11:27 -0500
From: "Brian Riley (maillist)" <n1bq_list@wulfdn.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142341] Re: ARRL 10 Meter Contest
Message-ID: <BA23C7CF.3FF7%n1bq_list@wulfdn.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

MS, AR, LA were fairly common here, but LAB, NWT, YT were simply not heard directly or even heard working others. I heard and worked one Nova Scotia late Sunday afternoon.

On 12/15/02 20:35, "Paul Womble" <pwomble1@tampabay.rr.com> wrote:

> I worked 30 stations from WI and 7 from MI and VT.
>
> The states that people usually post about being hard to get were out in force
> this weekend too:
>

> DE worked 2
> MT worked 2
> WY worked 3
> UT worked 5
> ID worked 6
>
> I never heard or heard anyone working MS, LA, AR, or LAB, NWT, YT this
> weekend.
>
> 73
> Paul K4FB
>
>
> "Brian Riley (maillist)" wrote:
>
>> I just keep learning more every time ... It was, as always, a lot of fun for
>> me. I sure do enjoy how happy most hams are to make a Vermont contact, but I
>> think the scarcity goes this year, at least from my NE USA perspective, to
>> Wyoming, Wisconsin, and Michigan. I thought Wyoming had dropped off the map
>> until fairly late Sunday afternoon when I finally heard and worked two of
>> them. I never did work WI or MI though I heard one or two other stations
>> work them but never even heard them!
>>
>
>

Date: Mon, 16 Dec 2002 18:21:31 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [142342] Check out the syetem
Message-ID: <000701c2a559\$dfaca060\$73e75cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just checking to see if this e-mail goes through.

I sent 3 e-mail before this that I think did not make it through the system.

72 & Good DX
Ron de WB3AAL
wb3aal@fast.net
www.n3epa.org

Date: Mon, 16 Dec 2002 18:21:05 -0500
From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142343] Re: ARRL 10 mtr Contest - QRP -
Message-ID: <BA23CA11.4006%n1bq_list@wulfden.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Being in Vermont, specifically West of the Green Mountains, you can generally count on New Hampshire being out of the question, particularly on QRP. All you hear is the few really 'big guns' on back scatter. As usually I make a few half-hearted tries before giving up. Late Sunday afternoon, I figured what the heck and tried again for K1XX and, wham-bam, nailed him first call, followed up 2 minutes later with another NH station! !! The same for my 'lost state' of Wyoming, once I worked one, again, late Sunday afternoon, I worked three more shortly after! ... sigh

On 12/15/02 23:41, "Bruce Rattray" <rattray@gpfn.sk.ca> wrote:

>
> I jumped into the contest running VE5QRP thinking I would probably run a
> few hours in & out...as it turned out I ran a total of 12 hours over the
> weekend which is considerably better than I usually do...
>
> I made 342 Contacts, 930 QSO points, 108 Mults for a score of 100440...
> this is a personal best for me...I ran both SSB & CW...
>
> I was also lucky enough to work Hawaii with my VE5QRP call and Delaware to
> complete VE5QRP WAS at qrp levels...
>
> I listened and listened for Delaware...I even ran a frequency and called
> CQ for about 20 minutes before the calls ran out...I even mentioned I was
> looking for Delaware....but no DE...
> ...then on Sunday when I worked a station on SSB, I mentioned I was
> looking for Delaware and he told me he had just worked DE on
> 28.whatever...so I went down and had a listen...pure QRM!... hihi...but I
> narrowed the filter on my K2, tuned carefully and heard this station weak
> but as the qrm cleared a bit, there was Delaware and I had my "lost"
> state...
> ...then, as seems to be typical of these situations, about 2 minutes later
> I worked another DE...I couldn't help but laugh and laugh as I made the
> exchange and I'm sure the operator on the other end thought I was mad...it
> never fails and I'm sure many of you have had a similar experience...

>
> ...I used Scott Davis' program (ran flawlessly) and have converted my log
> to the Cabrillo format and e-mailed it to the ARRL...
>
> ...I used my Elecraft K2#2032 for the entire run along with my old HyGain
> 2 element tribander at 50 feet...
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"
>
>
>

Date: Mon, 16 Dec 2002 18:43:22 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [142344] Re: Rock-Mite on 80 Meters
Message-ID: <BAY1-F41XUIEA0eIiGX00014c8a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks for the Rock-Mite-80 conversion info, Chuck.
Saved it for future reference.
Good grief...now I must order another Rock-Mite :)
Say, I'd really like to have 3560 Kcs as one of my RM-80 operating freqs,
though.
Anybody quantity-buying rocks for 3560?
Look out RMN 2004!

73.
Bill, N4QA

Tired of spam? Get advanced junk mail protection with MSN 8.
<http://join.msn.com/?page=features/junkmail>

End of QRP-L Digest 2771
